

# STAT5a protein

CatalogNo: YD0108

## Key Features

### Reactivity

- Human

## Storage

**Storage\*** -20°C/6 month, -80°C for long storage

**Formulation** Liquid in PBS

## Recommended Dilution Ratios

## Basic Information

**Source** E.coli

**Purification** E.coli

**Purity** SDS-PAGE >90%

## Immunogen Information

**Sequence** Amino acid: 376-567, with his-MBP tag.

## Target Information

**Gene name** STAT5A STAT5

**Protein Name**

STAT5a protein

<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
Human	<a href="#">6776</a> ;	<a href="#">P42229</a> ;
Mouse		<a href="#">P42230</a> ;

**Cellular  
Localization**

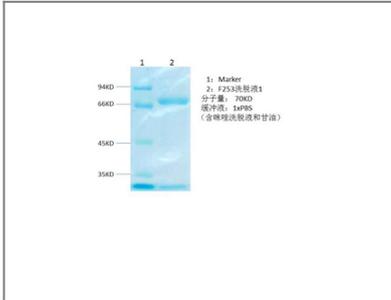
Cytoplasm . Nucleus . Translocated into the nucleus in response to phosphorylation.

## Function

allantoin metabolic process, luteinization, cell activation, leukocyte homeostasis, natural killer cell differentiation, regulation of cytokine production, regulation of leukocyte mediated cytotoxicity, positive regulation of leukocyte mediated cytotoxicity, lymphocyte homeostasis, immune system development, leukocyte differentiation, positive regulation of immune system process, regulation of leukocyte activation, positive regulation of leukocyte activation, regulation of immune effector process, positive regulation of immune effector process, regulation of leukocyte mediated immunity, positive regulation of leukocyte mediated immunity, regulation of lymphocyte mediated immunity, positive regulation of lymphocyte mediated immunity, regulation of natural killer cell mediated immunity, positive regulation of natural killer cell mediated immunity, regulation of myeloid leukocyte differentiation, positive regulation of myeloid leukocyte differentiation, reproductive developmental process, citrate metabolic process, 2-oxoglutarate metabolic process, succinate metabolic process, oxaloacetate metabolic process, transcription, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, protein amino acid phosphorylation, isoleucine metabolic process, valine metabolic process, cellular amino acid derivative metabolic process, phosphagen metabolic process, creatine metabolic process, fatty acid metabolic process, sulfur metabolic process, phosphorus metabolic process, phosphate metabolic process, anti-apoptosis, cell surface receptor linked signal transduction, enzyme linked receptor protein signaling pathway, transmembrane receptor protein tyrosine kinase signaling pathway, intracellular signaling cascade, protein kinase cascade, JAK-STAT cascade, regulation of mitotic cell cycle, sex differentiation, female pregnancy, lactation, positive regulation of cell proliferation, gonad development, female gonad development, branched chain family amino acid metabolic process, response to endogenous stimulus, response to hormone stimulus, positive regulation of biosynthetic process, response to organic substance, positive regulation of macromolecule biosynthetic process, positive regulation of macromolecule metabolic process, positive regulation of gene expression, lipid localization, regulation of cell death, phosphorylation, peptidyl-tyrosine phosphorylation, peptidyl-tyrosine modification, regulation of lipid metabolic process, regulation of steroid metabolic process, cytokine-mediated signaling pathway, taurine metabolic process, lipid storage, ovulation cycle process, hemopoiesis, lymphocyte differentiation, natural killer cell activation, regulation of cell adhesion, T cell differentiation, regulation of epithelial cell differentiation, mammary gland development, positive regulation of cellular biosynthetic process, regulation of cell killing, positive regulation of cell killing, positive regulation of defense response, regulation of response to external stimulus, positive regulation of response to external stimulus, multicellular organism reproduction, regulation of interleukin-2 production, regulation of natural killer cell activation, positive regulation of natural killer cell activation, regulation of natural killer cell differentiation, positive regulation of natural killer cell differentiation, regulation of homeostatic process, cellular response to hormone stimulus, regulation of mononuclear cell proliferation, positive regulation of mononuclear cell proliferation, regulation of mast cell apoptosis, negative regulation of mast cell apoptosis, regulation of myeloid cell apoptosis, negative regulation of myeloid cell apoptosis, T cell differentiation in the thymus, regulation of growth, regulation of multicellular organism growth, positive regulation of multicellular organism growth, regulation of cytokine biosynthetic process, positive regulation of T cell proliferation, positive regulation of activated T cell proliferation, positive regulation of cytokine biosynthetic process, T cell activation, regulation of cell proliferation, regulation of T cell proliferation, regulation of natural killer cell mediated cytotoxicity, homeostatic process, ovulation cycle, regulation of apoptosis, T cell homeostasis, negative regulation of apoptosis, regulation of programmed cell death, negative regulation of programmed cell death, response to peptide hormone stimulus, cellular amide metabolic process, dicarboxylic acid metabolic process, regulation of interleukin-2 biosynthetic process, positive regulation of interleukin-2 biosynthetic process, regulation of innate immune response, positive regulation of innate immune response, development of secondary sexual characteristics, development of primary sexual characteristics, leukocyte activation, regulation of transcription, regulation of B cell differentiation, positive regulation of B cell differentiation, regulation of T cell differentiation, positive regulation of T cell differentiation, regulation of gamma-delta T cell differentiation, positive regulation of gamma-delta T cell differentiation, negative regulation of cell differentiation, positive regulation of cell differentiation, regulation of lymphocyte differentiation, positive regulation of lymphocyte differentiation, regulation of myeloid cell differentiation, negative regulation of myeloid cell differentiation, positive regulation of myeloid cell differentiation, regulation of erythrocyte differentiation, negative regulation of erythrocyte differentiation, positive regulation of cell cycle, regulation of survival gene product expression, positive regulation of survival gene product expression, positive regulation of transcription, DNA-dependent, positive regulation of growth, positive regulation of mitotic cell cycle, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of transcription, positive regulation of transcription from RNA polymerase II promoter, positive regulation of natural killer cell mediated cytotoxicity, regulation of activated T cell proliferation, creatinine metabolic process, development of secondary female sexual characteristics, development of secondary male sexual characteristics, development of primary female sexual characteristics, regulation of gamma-delta T cell activation, positive regulation of gamma-delta T cell activation, lymphocyte activation, female sex differentiation, male sex differentiation, rhythmic process, hemopoietic or lymphoid organ development, mucosal-associated lymphoid tissue development, Peyer's patch development, positive regulation of response to stimulus, reproductive structure development, reproductive process in a multicellular organism, gland development, homeostasis of number of cells, regulation of lymphocyte proliferation, positive regulation of lymphocyte proliferation, regulation of inflammatory response, positive regulation of inflammatory response, positive regulation of immune response, regulation of T cell activation, regulation of B cell activation, regulation of cell activation, positive regulation of cell activation, positive regulation of T cell activation, positive regulation of B cell activation, positive regulation of developmental process, positive regulation of nitrogen compound metabolic process, positive regulation of multicellular organismal process, regulation of lymphocyte activation, positive regulation of lymphocyte activation, regulation of RNA metabolic process, positive regulation of RNA metabolic process, regulation of cell cycle, regulation of mast cell differentiation, positive regulation of mast cell differentiation, growth hormone receptor signaling pathway, JAK-STAT cascade involved in growth hormone signaling pathway, response to growth hormone stimulus, negative regulation of cell death, regulation of leukocyte proliferation, positive regulation of leukocyte proliferation,

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## Validation Data



## Contact information

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Please scan the QR code  
to access additional  
product information:  
**STAT5a protein**

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