

# Recombinant Human STAT3 protein ,N- Gst Tag

CatalogNo: YD2252

## Key Features

### Reactivity

- Human

## Storage

**Storage\*** Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.

**Formulation** Supplied as solution form in TBS,pH8.0./ Lyophilized from TBS,pH8.0.

## Recommended Dilution Ratios

Reconstitute in sterile water for a stock solution

## Basic Information

**Source** E.coli

**Purification** E.coli

**Purity** >90% as determined by SDS-PAGE

## Immunogen Information

**Sequence** A DNA sequence encoding the human STAT3(Met1~Met770) was fused with the N-terminal Gst Tag

## Target Information

**Gene name** STAT3 APRF

**Protein Name****Organism****Gene ID****UniProt ID**

Human

[6774;](#)[P40763;](#)**Cellular  
Localization**

Cytoplasm . Nucleus . Shuttles between the nucleus and the cytoplasm. Translocated into the nucleus upon tyrosine phosphorylation and dimerization, in response to signaling by activated FGFR1, FGFR2, FGFR3 or FGFR4. Constitutive nuclear presence is independent of tyrosine phosphorylation. Predominantly present in the cytoplasm without stimuli. Upon leukemia inhibitory factor (LIF) stimulation, accumulates in the nucleus. The complex composed of BART and ARL2 plays an important role in the nuclear translocation and retention of STAT3. Identified in a complex with LYN and PAG1.

**Tissue specificity** Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Expressed in naive CD4(+) T cells as well as T-helper Th17, Th1 and Th2 cells (PubMed:31899195).

## | Validation Data

## | Contact information

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