

# estrogen receptor protein

CatalogNo: YD0123

## 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: 395-595, with his-MBP tag.

## Target Information

**Gene name** ESR1 ESR NR3A1

**Protein Name** estrogen receptor protein

Organism	Gene ID	UniProt ID
Human	<a href="#">2099;</a>	<a href="#">P03372;</a>
Mouse		<a href="#">P19785;</a>

**Cellular Localization**

[Isoform 1]: Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . A minor fraction is associated with the inner membrane.; [Isoform 3]: Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Single-pass type I membrane protein. Associated with the inner membrane via palmitoylation (Probable). At least a subset exists as a transmembrane protein with a N-terminal extracellular domain. .; Nucleus. Golgi apparatus. Cell membrane. Colocalizes with ZDHHC7 and ZDHHC21 in the Golgi apparatus where most probably palmitoylation occurs. Associated with the plasma membrane when palmitoylated.

**Tissue specificity**

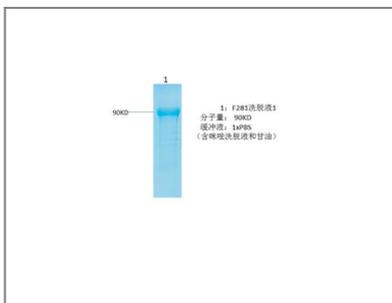
Widely expressed (PubMed:10970861). Not expressed in the pituitary gland (PubMed:10970861). ; [Isoform 3]: Widely expressed, however not expressed in the pituitary gland.

**Function**

transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, anti-apoptosis, intracellular signaling cascade, response to endogenous stimulus, response to hormone stimulus, positive regulation of signal transduction, response to organic substance, positive regulation of macromolecule metabolic process, positive regulation of gene expression, positive regulation of cell communication, regulation of cell death, steroid hormone receptor signaling pathway, estrogen receptor signaling pathway, intracellular receptor-mediated signaling pathway, RNA biosynthetic process, regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death, negative regulation of programmed cell death, regulation of neuron apoptosis, neuroprotection, response to estrogen stimulus, regulation of transcription, regulation of survival gene product expression, positive regulation of survival gene product expression, regulation of retinoic acid receptor signaling pathway, positive regulation of retinoic acid receptor signaling pathway, response to steroid hormone stimulus, regulation of RNA metabolic process, negative regulation of cell death,

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**Validation Data**



**Contact information**

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**estrogen receptor protein**

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