

## Recombinant Human JAK1 Protein, DYKDDDDK-tagged

Cat. No. JAK1-151H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Janus kinase 1(JAK1) protein, transcript variant 1(NM_002227), with a DYKDDDDK tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-1154 aa
<b>Description</b>	This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta and interferon-gamma signal transduction. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.38, without any preservatives.
<b>Molecular Mass</b>	133.1 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining

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**Applications** Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## GENE INFORMATION

**Gene Name** JAK1 Janus kinase 1 [ Homo sapiens ]

**Official Symbol** JAK1

**Synonyms** JAK1; Janus kinase 1; JAK1B; tyrosine-protein kinase JAK1; JAK1A; JTK3;

**Gene ID** 3716

**mRNA Refseq** NM\_002227

**Protein Refseq** NP\_002218

**MIM** 147795

**UniProt ID** P23458

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