

Recombinant Human JAK1 Protein, DYKDDDDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human Janus kinase 1(JAK1) protein, transcript variant 1(NM_002227), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
ProteinLength	1-1154 aa
Description	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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.38, without any preservatives.
Molecular Mass	133.1 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, 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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