

Recombinant Human JAK2 protein, Flag-tagged, Biotinylated

Cat. No. JAK2-57H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human JAK2, catalytic domain [826-1132(end) amino acids of accession number NP_004963.1] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated.
Species	Human
Source	Insect Cells
ProteinLength	826-1132 a.a.
Form	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Molecular Mass	39 kDa
Purity	>85% as determined by SDS-PAGE and CBB staining
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Conjugation	Biotin

GENE INFORMATION

Gene Name	JAK2 Janus kinase 2 [Homo sapiens]
Official Symbol	JAK2

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Synonyms	JAK2; Janus kinase 2; tyrosine-protein kinase JAK2; JTK10; JAK-2; THCYT3;
Gene ID	3717
mRNA Refseq	NM_004972
Protein Refseq	NP_004963
MIM	147796
UniProt ID	O60674
Chromosome Location	9p24
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cholinergic synapse, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	ATP binding; SH2 domain binding; growth hormone receptor binding; heme binding; histone binding; histone kinase activity (H3-Y41 specific); interleukin-12 receptor binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor binding;