

JAK2 recombinant protein

JAK2, Active

CATALOG # AAA73624	HOST Sf9 insect cells	APPLICATIONS Western Blot
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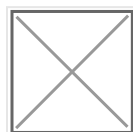
PRODUCT SYNONYMS

JAK2; Active; JAK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for JAK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for JAK2 recombinant protein	Recombinant human JAK2 (804-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004972. JAK2 is a member of intracellular non-receptor tyrosine kinases that transduce cytokine-mediated signals via the JAK-STAT pathway (1). JAK2 has two near-identical phosphate-transferring domains. One domain exhibits the kinase activity while the other stabilizes the JAK conformational structure. JAK2 is the predominant JAK kinase activated in response to several growth factors and cytokines such as IL-3, GM-CSF and erythropoietin. JAK2 has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon (2).
Product Categories/Family for JAK2 recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Cytoplasmic Tyrosine Kinases ; Inflammation ; JAK/STAT Pathway
References	1. Lacronique, V. Et al : A TEL-JAK2 fusion protein with constitutive kinase activity in human leukemia. Science, 1997; 278: 1309-1312. 2. Ho, J.M. et al: TEL-JAK2 constitutively activates the extracellular signal-regulated kinase (ERK), stress-activated protein/Jun kinase (SAPK/JNK), and p38 signaling pathways. Blood, 2002; 100: 1438-1448.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004972
Molecular Weight	~63kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/jak2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73624>