Active Recombinant Human JAK3 Protein, His-tagged

Cat. No. JAK3-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human JAK3 (781-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Insect cells
ProteinLength	781-end a.a.
Description	The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease).
Bio-activity	252 nmol/min/mg
Molecular Mass	40kDa
Purity	>80%
Stability	One year at -70 centigrade from the date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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	quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 μg/μL
Storage Buffer	Recombinant protein stored in PBS.
Shipping	Shipped on dry ice.

GENE INFORMATION

Gene Name	JAK3 Janus kinase 3 [Homo sapiens (human)]
Official Symbol	JAK3
Synonyms	JAK3; Janus kinase 3; JAKL; LJAK; JAK-3; L-JAK; tyrosine-protein kinase JAK3; Janus kinase 3 (a protein tyrosine kinase, leukocyte); leukocyte Janus kinase; EC 2.7.10.2
Gene ID	3718
mRNA Refseq	NM_000215
Protein Refseq	NP_000206
MIM	600173
UniProt ID	P52333

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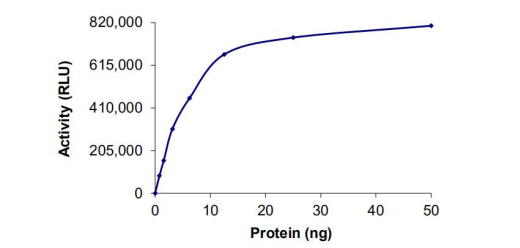
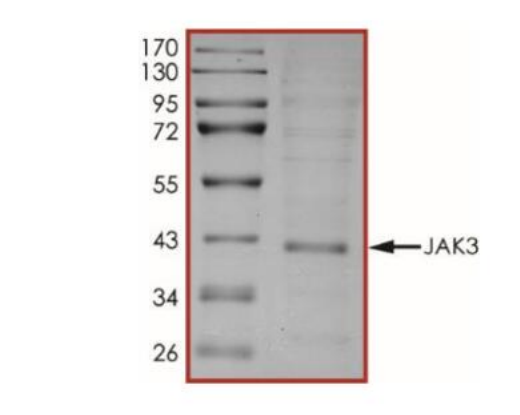
Sample Kinase Activity Plot	 The specific activity of JAK3 was determined to be 252 nmol/min/mg
Purity	 The purity was determined to be >80% by densitometry. Approx. MW 40kDa.

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