

## Active Recombinant Human JAK3 Protein, Flag tagged

**Cat. No.** JAK3-03H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant JAK3 (781-1124) protein that includes amino acids 781-1124 of human JAK3 protein (accession number NP_000206.2) was expressed in a baculovirus expression system, and contains an N-terminal FLAG tag.                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 781-1124 aa                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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). |
| <b>Form</b>             | 25 mM HEPESNaOH pH 7.5, 500 mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5 mM TCEP.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 39.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 80%                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Recombinant proteins in solution are temperature sensitive and must be stored at -80                                                                                                                                                                                                                                                                                                                                                         |

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centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

## GENE INFORMATION

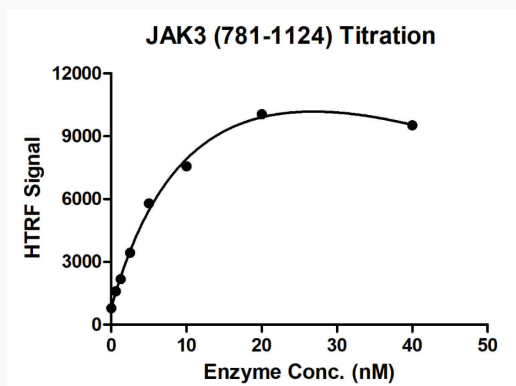
|                 |                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | JAK3 Janus kinase 3 [ Homo sapiens (human) ]                                                                                                                                                                        |
| Official Symbol | JAK3                                                                                                                                                                                                                |
| Synonyms        | JAK3; Janus kinase 3; tyrosine-protein kinase JAK3; JAK 3; JAK3_HUMAN; JAKL; L JAK; leukocyte Janus kinase; LJAK; tyrosine protein kinase JAK3; Janus kinase 3 (a protein tyrosine kinase, leukocyte); JAK-3; L-JAK |
| Gene ID         | 3718                                                                                                                                                                                                                |
| mRNA Refseq     | NM_000215                                                                                                                                                                                                           |
| Protein Refseq  | NP_000206                                                                                                                                                                                                           |
| MIM             | 600173                                                                                                                                                                                                              |
| UniProt ID      | P52333                                                                                                                                                                                                              |

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## Activity



## SDS-PAGE

