

## Active Recombinant Human JAK2 Protein, V617F, Flag tagged

Cat. No. JAK2-02H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant JAK2 (532-1132, V617F) protein that includes amino acids 532-1132 of human JAK2 protein (accession number NP_004963.1) was expressed in a baculovirus expression system with a point mutation Val617Phe, and contains an N-terminal FLAG tag. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 532-1132 aa                                                                                                                                                                                                                                               |
| <b>Form</b>             | Recombinant JAK2 (532-1132, V617F) protein is supplied in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.                                                                                                         |
| <b>Molecular Mass</b>   | 71.1 kDa                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >88%                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | Recombinant JAK2 (532-1132, V617F) protein is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.                                                                                                           |
| <b>Storage</b>          | Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** 0.25 µg/µL

## GENE INFORMATION

**Gene Name** JAK2 Janus kinase 2 [ Homo sapiens ]

**Official Symbol** JAK2

**Synonyms** JAK2; Janus kinase 2; tyrosine-protein kinase JAK2; JTK10; JAK-2; Janus kinase 2 (a protein tyrosine kinase); THCYT3

**Gene ID** 3717

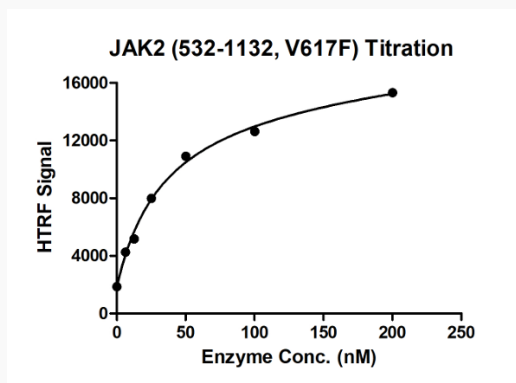
**mRNA Refseq** NM\_004972

**Protein Refseq** NP\_004963

**MIM** 147796

**UniProt ID** O60674

## Activity

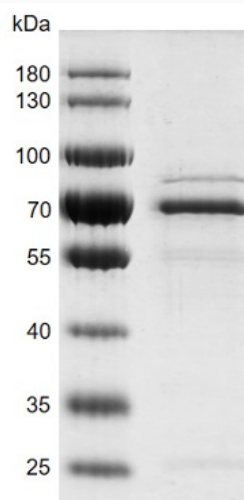


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