

# Recombinant Human JAK2 (E596A, V617F, W659A, W777A, F794H) Protein, His tagged

**Cat. No.** JAK2-32H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human JAK2 (JH2 Domain) (E596A, V617F, W659A, W777A, F794H)<br>Protein with His tag was expressed in Insect Cells.                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 536-812 aa (E596A, V617F, W659A, W777A, F794H)                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Sterile 50mM Tris, pH8.0, 200mM NaCl, 10% Glycerol, 2mM DTT                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 32 kDa                                                                                                                                                                                                                                                                                                           |
| <b>AASequence</b>       | MVFHKIRNEDLIFNESLGQGTFTKIFKGVRRREVG DYGQLHETEVLLKVLDKAHRNYS<br>ESFFAAASMM SKLSHKHLVLNYGVCFCGDENILVQEFVKFGSLDTY LKKNKNCINIL<br>WKLEVAKQLAAAMHFLEENTLIHGNVCAKNILLIREEDRKTGNPPFIKLSDPGISITVLP<br>KDILQERIPWVPPECIENPKNLNLATDKWSFGTTLWEICSGGDKPLSALDSQRKLQF<br>YEDRHQLPAPKAAELANLINNCMDYEPDHRPSFRAIIRDLNSLFTPDHHHHHH |
| <b>Endotoxin</b>        | < 1 EU/μg by LAL                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the                                                                                                                                                                                                                           |

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Concentration** 0.36 mg/mL by Bradford

## GENE INFORMATION

**Gene Name** JAK2 Janus kinase 2 [ Homo sapiens (human) ]

**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

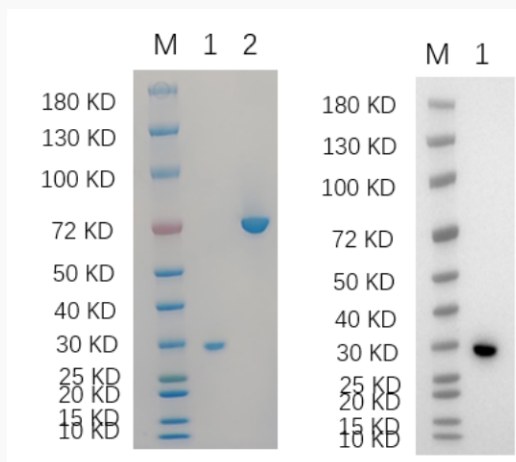
**UniProt ID** O60674

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# SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified JAK2. 1. JAK2 2. BSA

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