

# Recombinant human JAK2 protein

Catalog Number: ATGP2487

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1014-1132aa

**UniProt No.**

O60674

**NCBI Accession No.**

NP\_004963

**Alternative Names**

Janus kinase 2, Janus kinase 2, Janus kinase 2 (a protein tyrosine kinase), JTK10

## PRODUCT SPECIFICATION

**Molecular Weight**

18.1 kDa (157aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE, Denatured

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

JAK2 is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis. Recombinant human Jak2 protein, fused to His-tag at N-terminus, was expressed in E. coli

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### Amino acid Sequence

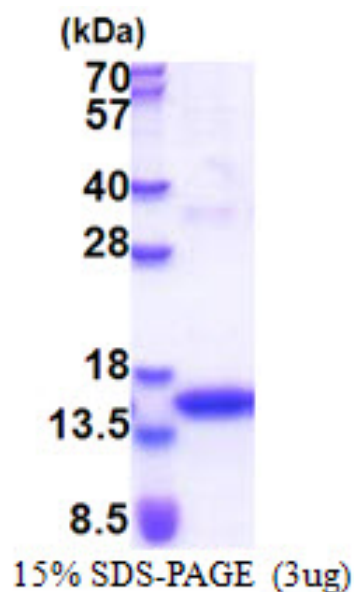
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSHMGE SPIFWYAPES LTESKFVSAS DVWSFGVVLY  
ELFTYIEKSK SPPEAFMRMI GNDKQGQMIV FHLLIELLKNN GRLPRPDGCP DEIYMIMTEC WNNNVNQRPS FRDLALRVDQ  
IRDNMAG

### General References

Bole-Feysot C, Goffin V, et al. (1998). Endocr. Rev. 19 (3): 225-68. doi:10.1210/er.19.3.225

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.