

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

> 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

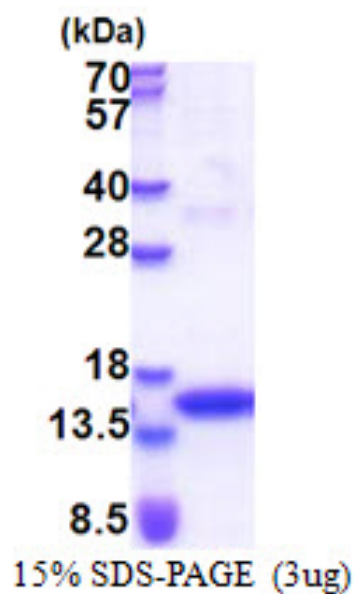
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSHMGE SPIFWYAPES LTESKFSVAS DVWSFGVVLY
ELFTYIEKSK SPPAEFMRMI GNDKQGQMI V FHLIELLKNN GRLPRPDGCP DEIYMIMTEC WNNNVNQRPS FRDLALRVDQ
IRDNMAG

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.