

AR51307PU-N

Human Tyrosine-protein kinase JAK2 (1014-1132, His-tag) - Purified

Alternate names: JAK-2, Janus kinase 2

Quantity: 0.5 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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

Uniprot ID: [O60674](#)

NCBI: [NP_004963](#)

GeneID: [3717](#)

Species: Human

Source: E. coli

Format: **State:** Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Description: **AA Sequence:**
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMMGE SPIFWYAPES LTESKFVSAS
DVWSFGVVLY ELFTYIEKSK SPPAEFMRMI GNDKQGQMIV FHLIELLKNN GRLPRPDGCP
DEIYMIMTEC WNNNVNQRPS FRDLALRVDQ IRDNMAG

Molecular weight: 18.1 kDa (157aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Bole-Feysot C, Goffin V, et al. (1998). Endocr. Rev. 19 (3): 22568.
doi:10.1210/er.19.3.225

Pictures:

