

**JAK2, 1014-1132aa, Human, His tag, E.coli**

**Cat.NO.: TP02703**

3th Edition

**Synonyms:**Janus kinase 2, Janus kinase 2 (a protein tyrosine kinase), JTK10

**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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M Urea

**Molecular Weight:**18.1kDa (157aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMGESPIFWYAPESLTKFSVASDVWSFGVVLYEL  
FTYIEKSKSPPAEFMRMIGNDKQGQMIVFHLLIELLKNNGLRPRPDGCPDEIYMIMTECWNNNVNQRPSFRDLALRV  
DQIRDNMAG

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.