

Janus Kinase 2 Human Recombinant

Item Number	rAP-1738
Synonyms	Tyrosine-protein kinase JAK2, Janus kinase 2, JAK-2, JAK2, Janus kinase 2 (a protein tyrosine kinase), JTK10.
Description	JAK2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids (1014-1132 a.a) and having a molecular mass of 18.1kDa. JAK2 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O60674
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE SPIFWYAPES LTESKFSVAS DVWS-FGVVLY ELFTYIEKSK SPPAEFMRMI GNDKQGQMIV FHLLIELLKNN GRLPRPDGCP DEIYMIMTEC WNNNVNQRPFS FRDLALRVDQ IRDNMAG.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	JAK2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**