

Product datasheet for TP317928

JAK3 (NM_000215) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Janus kinase 3 (a protein tyrosine kinase, leukocyte) (JAK3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217928 representing NM_000215 Red =Cloning site Green =Tags(s)

MAPPSEETPLIPQRSCSLLSTEAGALHVLLPARGPGPPQRLSFSFGDHLAEDLCVQAAKASGILPVYHSL
 FALATEDLSCWFPPSHIFSVEDASTQVLLYRIRFYFPNWFGLEKCHRFGRLKDLASAILDLPVLEHLFAQ
 HRSDLVSGRLPVGLSLKEQGECLSLAVLDLARMAREQAQRPGELLKTVSYKACLPPSLRDLIQGLSFVTR
 RRIRRTVRRALRRVAACQADRHSLMAKYIMDLERLDPAGAAETFHVGLPGALGGHDGLGLLRVAGDGGIA
 WTQGEQEVLPFCDFPEIVDISIKQAPRVGPAGEHRLVTVTRTDNQILEAEFPLPEALSFVALVDGYFR
 LTTDSQHFFCKEVAPPRLLEEVAEQCHGPITLDFAINKLTGGSRPGSYLRRSPQDFDSFLLTVCVQNP
 LGPDYKGCILRRSPTGTFLLVGLSRPHSSLRELLATCWDGGLHVDGVAVTLTSCCIPRPKEKSNLIVVQR
 GHSPTSSLVQPQSQYQLSQMTFHKIPADSLEWHENLGHGSFTKIYRGCHEVVDGEARKTEVLLKVM D
 A
 KHKNCMESFLEAASLMSQVSYRHLVLLHGVCMAGDSTMVQEFVHLGAIDMYLRKRGHLPASWKLQV
 KQ
 LAYALNYLEDKGLPHGNVSARKVLLAREGADGSPFFIKLSDPGVSPAVLSLEMLTD RIPWVAPECLREAQ
 TLSLEADKWGFGATVWEVFSGVTMPISALDPAKKLQFYEDRQQLPAPKWTELALLIQQCMAYEPVQRPSF
 RAVIRDLNSLISSDYELLS DPTPGALAPRDGLWNGAQLYACQDPTIFEERHLKYISQLGKGNFGSVELCR
 YDPLGDNTGALVAVKQLQHS GPDQQRDFQREIQILKALHSDFIVKYRGVSYGPGRQSLRLVMEYLP SGCL
 RDFLQRHRARLDASRLLLYSSQICKGMEYLSRRCVHRDLAARNILVESEAHVKIADFLAKLLPLDKDY
 YVREPGQSPIFWYAPESLSDNIFSRQSDVWSFGVVLYELFTYCDKSCSPSAEFLRMMGCERDVPALCRL
 LELLEEGQRLPAPPACPAEVHELMKLCWAPSPQDRPFSALGPQLDMLWSGSRGCETHAFTAHPGKHH
 S
 LSFS

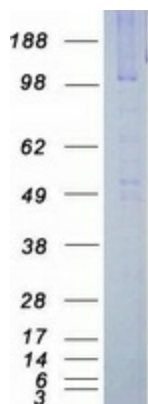
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	124.9 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000206
Locus ID:	3718
UniProt ID:	P52333
RefSeq Size:	4025
Cytogenetics:	19p13.11
RefSeq ORF:	3372
Synonyms:	JAK-3; JAK3_HUMAN; JAKL; L-JAK; LJAK
Summary:	The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Jak-STAT signaling pathway, Primary immunodeficiency

Product images:

Coomassie blue staining of purified JAK3 protein (Cat# TP317928). The protein was produced from HEK293T cells transfected with JAK3 cDNA clone (Cat# [RC217928]) using MegaTran 2.0 (Cat# [TT210002]).