

Product datasheet for PH317928

JAK3 (NM_000215) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	JAK3 MS Standard C13 and N15-labeled recombinant protein (NP_000206)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217928
Predicted MW:	124.9 kDa
Protein Sequence:	>RC217928 representing NM_000215 Red=Cloning site Green=Tags(s)

MAPPSEETPLIPQRSCSLLSTEAGALHVLLPARGPGPPQRLSFSFGDHLAEDLCVQAAKASGILPVYHSL
FALATEDLSCWFPPSHIFSVEDASTQVLLYRIRFYFPNWFGLKCHRFGLRKDLASAILDLPVLEHLFAQ
HRSDLVSGRLPVGLSLKEQGECLSLAVLDLARMAREQAQRPGELLKTVSYKACLPPSLRDLIQGLSFVTR
RRIRRTVRRALRRVAACQADRHSLMAKYIMDLERLDPAGAAETFHVGLPGALGGHDGLGLLRVAGDGGIA
WTQGEQEVLPQFCDFPEIVDISIKQAPRVGPAGEHRLVTVTRTDNQILEAEFPGLPEALSFVALVDGYFR
LTTDSQHFFCKEVAPRLLLEEVAEQCHGPITLDFAINKLTGGSRPGSYVLRSPQDFDSFLLTVCVQNP
LGPDYKGLIRRSPGTGTFLLVGLSRPHSSLRELLATCWDGGLHVDGVAVTLTSCCIPRPKEKSNLIVVQR
GHSPTSSLVQPQSQYQLSQMTFHKIPADSLWHENLGHGSFTKIYRGRHEVVDGEARKTEVLLKVMDA
KHKNCMESFLEAASLMSQVSYRHLVLLHGVCMAGDSTMVQEFVHLGAIDMYLRKRGHLPVASKLQVVKQ
LAYALNYLEDKGLPHGNVSARKVLLAREGADGSPPIKLSDPGVSPAVLSLEMLTDRIPWVAPECLREAQ
TLSLEADKWGFATVWEVFSVGTMPISALDPAKKLQFYEDRQQLPAPKWTELALLIQQCMAYEPVQRPSF
RAVIRDLNLSISSDYELLSDPTPGALAPRDGLWNGAQLYACQDPTIFEERHLKYISQLGKGNFGSVELCR
YDPLGDNTPALVAVKQLQHSQPDQQRDFQREIQILKALHSDFIVKYRGVSYGPGRQSLRLVMEYLPSCGL
RDFLQRHRARLDASRLLYSSQICKGMEYLGSRRCVHRDLAARNILVESEAHVKIADFLAKLLPLDKDY
YVVREPGQSPIFWYAPESLSDNIFSRQSDVWSFGVVLVELFTYCDKSCSPSAEFLRMMGCERDVPALCRL
LELLEEGQRLPAPPACPAEVHELMKLCWAPSPQDRPFSALGPQLDMLWSGSRGCETHAFTAHPGKHHS
LSFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

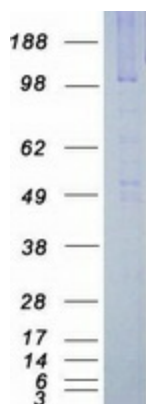
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000206
RefSeq Size:	4025
RefSeq ORF:	3372
Synonyms:	JAK-3; JAK3_HUMAN; JAKL; L-JAK; LJAK
Locus ID:	3718
UniProt ID:	P52333 , A0A024R7M7
Cytogenetics:	19p13.11
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]).