

Recombinant Human JAK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. JAK2-3372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

JAK2 MS Standard C13 and N15-labeled recombinant protein (NP_004963) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene product 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.

Molecular Mass

130.5 kDa

AA Sequence

MGMACLTMTMEGTSTSSIQNGDISGNANSMKQIDPVLQVYLYHSLGKSEADYLT
 FPSGEYVAEEICIAASKACGITPVYHNMFALMSETERIWYPPNHVFHIDESTRHNVLY
 RIRFYFPRWYCSGSNRAYRHGISRGAEAPLLDDFVMSYLFAQWRHDFVHGWIQVPV
 THETQEECLGMAVLDMMRIAKENDQTPLAIYNSISYKTFPKCIRAKIQDYHILTRKRI
 RYRFRRFIQQFSQCKATARNLKLKYLINLETLQSAFYTEKFEVKEPGSGSPSGEEIFATI
 IITGNGGIQWSRGKHKESETLTEQDLQLYCDFPNIIDVSIKQANQEGSNESRVVTIHK
 QDGKNLEIELSSLREALSFVSLIDGYRRLTADAHHYLCKEVAPPAVLENIQSNCHGPI
 SMDFAISLKKAGNQTGLYVLRCSFKDFNKYFLTFAVERENVIEYKHCLITKNENEEY

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NLSGTTKKNFSSSLKDLLNCYQMETVRSNIIIFQFTKCCPPKPKDKSNLLVFRRTNGVSD
 VPTSPTLQRPTHMNQMVVFKIRNEDLIFNESLGQGTFTKIFKGVRRREVG DYGQLHET
 EVLLKVLDKAHRNYSESFEEAASMMSKLSHKHLVLNYGVCVCGDENILVQEFVKFGS
 LD TYLKKNKNCINILWKLEVAKQLAWAMHFLEENTLIHGNVCAKNILLIREEDRKTGN
 PPFIKLSDPGISITVLPKDILQERIPWVPPECIENPKNLNLATDKWSFGTTLWEICSGG
 DKPLSALDSQRKLQFYEDRHQLPAPKWAELANLINNCMDYEPDFRPSFRAIIRD LNS
 LFTPDYELLTENDMLPNMRIGALGFSGAFEDRDPTQFEERHLKFLQQLGKGNFGSV
 EMCRYDPLQDNTGEVVAVKKLQHSTEEHLRDFEREIEILKSLQHDNIVKYKGV CYSA
 GRRNLKLIMEYLPYGSLRDY LQKHKERIDHIKLLQYTSQICKGMEYLGTKRYIHRDLA
 TRNILVENENRVKIGDFGLTKVLPQDKEYYKVKEPGESPIFWYAPESLTESKFSV ASD
 VWSFGVVLYELFTYIEKSKSPPAEFMRMIGNDKQGQMIVFH LIELLKNNGR LPRPDG
 CPDEIYMIMTECWNNNVNQRP SFRDLALRVDQIRDNMAGTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [JAK2 Janus kinase 2 \[Homo sapiens \(human\) \]](#)

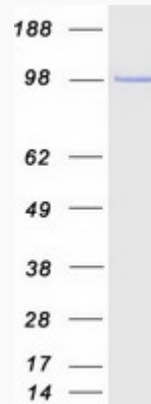
Official Symbol [JAK2](#)


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Synonyms	JAK2; Janus kinase 2; tyrosine-protein kinase JAK2; JTK10; JAK-2; Janus kinase 2 (a protein tyrosine kinase); THCYT3;
Gene ID	3717
mRNA Refseq	NM_004972
Protein Refseq	NP_004963
MIM	147796
UniProt ID	O60674

SDS-PAGE

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