

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

Cat. No. JUP-1438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	JUP MS Standard C13 and N15-labeled recombinant protein (NP_002221) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however, not all transcripts have been fully described.
Molecular Mass	81.7 kDa
AA Sequence	MEVMNLMEQPIKVTEWQQTYTYDSGIHSGANTCVPSVSSKGIMEEDEACGRQYTLK KTTTYTQGVPPSQGDLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQAT NLQRLAEP SQLLSAIVHLINYQDDAELATRALPELTKLLNDEDPVVVTKAAMIVNQLS KKEASRRALMGSPQLVAAVVRTMQNTSDLDTARCTTSILHNLSSHREGLLAIFKSGG IPALVRMLSSPVESVLFYAITTLHNLLLYQEGAKMAVRLADGLQKMVPLLNNKNNPKFL AITTDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSYEKLLWTTSRVLKVLVSVCP

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NKPAIVEAGGMQALGKHLTSNSPRLVQNC LWTLRNLSDVATKQEGLESVLKILVNQL
SVDDVNVLT CATGTL SNLTCNNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCA
LRHLTSRHPEAEMAQNSVRLNYGIPAIVKLLNQPNQWPLVKATIGLIRNLALCPANHA
PLQEAAVIPRLVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEIVEGCTGALHILARD
PMNRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLC ELAQDKEAADAIDAEGASAPLM
ELLHSRNEG TATYAAAVLFRISEDKNPDYRKRVSVELTNSL FKHDPAAW EAAQSMIPI
NEPYGDDLDATYRPMYSSDVPLDPLEMHMDMDGDYPIDTYS DGLRPPYPTADHML
ATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 JUP junction plakoglobin [Homo sapiens (human)]

Official Symbol JUP

Synonyms JUP; junction plakoglobin; catenin (cadherin associated protein), gamma 80kDa, CTNNG; DP3; DPIII; PDGB; PKGB; catenin gamma; desmoplakin-3; gamma-catenin; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa; catenin (cadherin-associated protein), gamma (80kD); CTNNG; ARVD12;

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Gene ID	3728
mRNA Refseq	NM_002230
Protein Refseq	NP_002221
MIM	173325
UniProt ID	P14923
SDS-PAGE	