

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

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

## SPECIFICATION

<b>Product Overview</b>	JUP MS Standard C13 and N15-labeled recombinant protein (NP_002221) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	81.7 kDa
<b>AA Sequence</b>	MEVMNLMEQPIKVTEWQQTYTYDSGIHSGANTCVPSVSSKGIMEEDEACGRQYTLK KTTTYTQGVPPSQGDLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQAT NLQRLAEPSSLKSAIVHLINYQDDAELATRALPELTKLLNDEDPVVVTKAAMIVNQLS KKEASRRALMGSPQLVAAVVRTMQNTSDLDTARCTTSILHNLSSHREGLLAIFKSGG IPALVRMLSSPVESVLFYAITTLHNLLLYQEGAKMAVRLADGLQKMVPLLNKNNPKFL AITTDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSYEKLLWTTSRVLKVLVSVCS

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NKPAIVEAGGMQALGKHLTSNSPRLVQNCLWTLRNLSDVATKQEGLESVLKILVNQL  
 SVDDVNVLTTCATGTLNLTCCNNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCA  
 LRHLTSRHPEAEMAQNSVRLNYGIPAIVKLLNQPNQWPLVKATIGLIRNLALCPANHA  
 PLQEAAVIPRLVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEIVEGCTGALHILARD  
 PMNRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLCELAQDKEAADAIDAEGASAPLM  
 ELLHSRNEGATYAAAVLFRISEDKNPDYRKRVSVELTNSLFKHDPAAWEAAQSMIPI  
 NEPYGDDLDATYRPMYSSDVPLDPLEMHMDMDGDYPIDTYSGLRPPYPTADHML  
 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

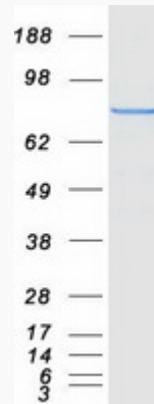
**mRNA Refseq** NM\_002230

**Protein Refseq** NP\_002221

**MIM** 173325

**UniProt ID** P14923

**SDS-PAGE**



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