

Active Recombinant Full Length Human JUP Protein, C-Flag-tagged

Cat. No. JUP-295HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human JUP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Surface Plasmon Resonance (SPR)
Molecular Mass	81.6 kDa
AA Sequence	MEVMNLMEQPIKVTEWQQTYTYDSGIHSGANTCVPSVSSKGIMEEDEACGRQYTLK KTTTYTQGVPPSQG DLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQAT NLQRLAEPSQLLKSAIVHLINYQDDAELA TRALPELTKLLNDEDPVVVTKAAMIVNQL

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SKKEASRRALMGSPQLVAAVVRTMQNTSDLDтарCTTSILH NLSHHREGLLAIFKSG
 GIPALVRMLSSPVESVLFYAITTLHNLLLYQEGAKMAVRLADGLQKMVPLLKNK NPK
 FLAITTDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSEKLLWTTSRVLKVLVSVCP
 SNKPAIVE AGGMQALGKHLTSNSPRLVQNCLWTLRNLSDVATKQEGLESVLKILVN
 QLSVDDVNVLT CATGTLSNLTC NNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAV
 CALRHLSRHPAEMAQNSVRLNYGIPAIVKLLN QPNQWPLVKATIGLIRNLALCPA
 NHAPLQEA AVIPRLVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEIV EGCTGALHI
 LARDPMNRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLCELAQDKEAADAIDAEGAS
 APL MELLHSRNEG TATYAAAVLFRISEDKNPDYRKRVSVELTNSLFKHDPAAWEAA
 QSMIPINEPYGDDLDAT
 YRPMYSSDVPLDPLEMHMDMDGDYPIDTYS DGLRPPYPTADHMLATRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Acute myeloid leukemia, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Pathways in cancer

Full Length Full L.

GENE INFORMATION

Gene Name JUP junction plakoglobin [Homo sapiens (human)]

Official Symbol JUP

Synonyms PG; DP3; PDGB; PKGB; CTNNG; DPIII

Gene ID 3728

mRNA Refseq NM_002230.4

Protein Refseq NP_002221.1

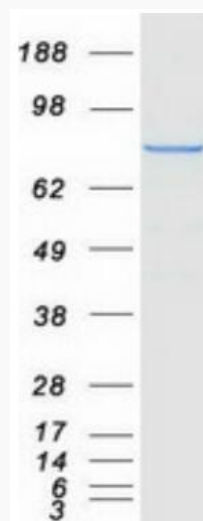
MIM 173325

UniProt ID P14923

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Coomassie blue staining of purified JUP protein.