

Product datasheet for **TP304209M**

gamma Catenin (JUP) (NM_002230) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human junction plakoglobin (JUP), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204209 protein sequence
Red=Cloning site **Green**=Tags(s)

MEVMNLMQPIKVTEWQQTYTYDSGIHSGANTCVPSVSSKGIMEEDEACGRQYTLKKTTTYTQGVPPSQG
DLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQATNLQRLAEPQLLKSAIVHLINYQDDAELA
TRALPELTKLLNDEDPVVVTKAAMIVNQLSKKEASRRALMGSPQLVAAVVTRMQNTSDLDTARCTTSILH
NLSHHREGLLAIFKSGGIPALVRLMLSSPVESVLFYAITTLHNLLEYQEGAKMAVRLADGLQKMPVLLNKN
NPKFLAITDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSYEKLLWTTSRVLKVLVSVCPNKAIVE
AGGMQALGKHLTSNSPRLVQNCLWTLRNLSDVATKQEGLESVLKILVNQLSVDDVNVLTTCATGTLNLTLC
NNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCALRHLSRHPAEMAQNSVRLNYGIPAIVKLLN
QPNQWPLVKATIGLIRNLALCPANHAPLQEAIVPRLVQLLKAHQDAQRHVAAGTQQPYTDGVRMEEIV
EGCTGALHILARDPMNRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLCELAQDKEAADAIDAEGASAPL
MELLHSRNEGATYAAAVLFRISEDKNPDYRKRVSVELTNSLFKHDPAAWEEAAQSMIPINEPYGDDLDAT
YRPMYSSDVPLDPLEMHMDMDGDYPIDTYSGLRPPYPTADHMLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 81.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Bioactivity: Surface Plasmon Resonance (SPR) (PMID:[29178343](#))

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

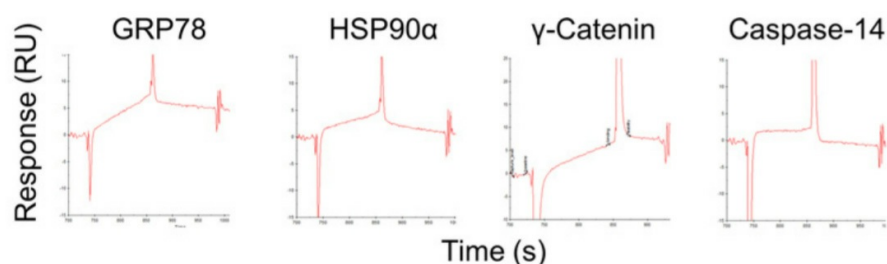
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



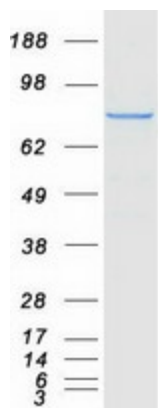
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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002221</u>
Locus ID:	3728
UniProt ID:	<u>P14923, A0A0S2Z487</u>
RefSeq Size:	3508
Cytogenetics:	17q21.2
RefSeq ORF:	2235
Synonyms:	CTNNG; DP3; DPIII; PDGB; PG; PKGB
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Acute myeloid leukemia, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Pathways in cancer

Product images:



Surface plasmon resonance analysis (sensorgrams) of the binding of surface GST-PRDM14 with different proteins including gamma-catenin (OriGene [TP304209]). Figure cited from Cancer Sci, PMID: 29178343



Coomassie blue staining of purified JUP protein (Cat# [TP304209]). The protein was produced from HEK293T cells transfected with JUP cDNA clone (Cat# [RC204209]) using MegaTran 2.0 (Cat# [TT210002]).