

## Product datasheet for TP304209

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204209 protein sequence Red=Cloning site Green=Tags(s)

MEVMNLMEQPIKVTEWQQTYTYDSGIHSGANTCVPSVSSKGIMEEDEACGRQYTLKKTTTYTQGVPPSQ  
G  
DLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQATNLQRLAEPSQLLKSIAIVHLINYQDDAELA  
TRALPELTKLLNDEDPVVVTKAAMIVNQLSKKEASRRALMGSPQLVAAVVRTMQNTSDLDTARCTTSILH  
NLSHHREGLLAIFKSGGIPALVRMLSSPVESVLFYAITLHNLLEYQEGAKMAVRLADGLQKMVPLLNKN  
NPKFLAITTDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSYEKLLWTTSRVLKLVSVCPNKAIVE  
AGGMQALGKHLTSNSPRLVQNCLWTLRNLSDVATKQEGLESVLKILVNQLSVDDVNVLTTCATGTLNLT  
NNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCALRHLSRHPAEMAQNSVRLNYGIPAIVKLLN  
QPNQWPLVKATIGLIRNLALCPANHAPLQEA AVIPRLVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEI  
V  
EGCTGALHILARDPMNRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLCELAQDKEAADAIDAEGASAPL  
MELLHSRNEGATYAAAVLFRISEDKNPDYRKRVSVELTNSLKFHDPAAWEAAQSMIPINEPYGDDLDAT  
YRPMYSSDVPLDPLEMHMDMDGDYPIDTYS DGLRPPYPTADHMLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

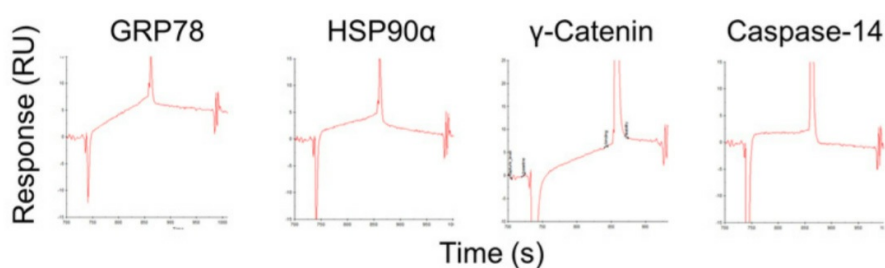
Tag:	C-Myc/DDK
Predicted MW:	81.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Surface Plasmon Resonance (SPR) (PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/29178343/">29178343</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



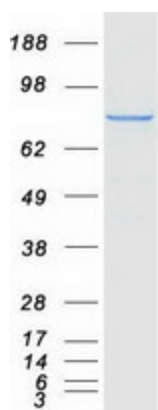
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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002221</a>
<b>Locus ID:</b>	3728
<b>UniProt ID:</b>	<a href="#">P14923</a>
<b>RefSeq Size:</b>	3508
<b>Cytogenetics:</b>	17q21.2
<b>RefSeq ORF:</b>	2235
<b>Synonyms:</b>	CTNNG; DP3; DP11; PDGB; PG; PKGB
<b>Summary:</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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).