

## Product datasheet for PH304209

### gamma Catenin (JUP) (NM\_002230) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	JUP MS Standard C13 and N15-labeled recombinant protein (NP_002221)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204209
Predicted MW:	81.7 kDa
Protein Sequence:	>RC204209 protein sequence Red=Cloning site Green=Tags(s)

MEVMNLMEQPIKVTWQQTYTYDSGIHSGANTCVPSVSSKGIEMEEDEACGRQYTLKTTTYYTQGVPPSQG  
DLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQATNLQRLAEPSQLLKSIAIVHLINYQDDAELA  
TRALPELTKLLNDEDPVVVTKAAMI VNL SKKEASRRALMGSPQLVAAVVRTMQNTSDLDTARCTTSILH  
NL SHHREGLLAIFKSGGIPALVRMLSSPVESVLFYAITTLHNLLLYQEGAKMAVRLADGLQKMPVLLNKN  
NPKFLAITTDCLQLLAYGNQESKLIILANGGPQALVQIMRNYSYEKLLWTTSRVLKVL SVCPSNKP AIVE  
AGGMQALGKHLTNSPRLVQNCLWTLRNLSDVATKQEGLESVLKILVNQLSVDDVNVLT CATGTL SNLTC  
NNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCALRHLTSRHPEAEMAQNSVRLNYGIPAIKLLN  
QPNQWPLVKATIGLIRNLALCPANHAPLQEA AVIPRLVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEIV  
EGCTGALHILARDPMMRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLC ELAQDKEAADAIDAEGASAPL  
MELLHSRNEGATYAAAVLFRISEDKNPDYRKRVSVELTNSL FKHDPAAWEEAAQSMIPINEPYGDDLDAT  
YRPMYSSDVP LDPLEMHMDMDGDYPIDTYS DGLRPPYPTADHMLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002221</u>



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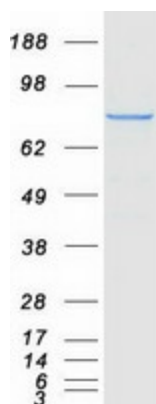
RefSeq Size:	3508
RefSeq ORF:	2235
Synonyms:	CTNNG; DP3; DPIII; PDGB; PG; PKGB
Locus ID:	3728
UniProt ID:	<a href="#">P14923</a> , <a href="#">A0A0S2Z487</a>
Cytogenetics:	17q21.2

**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:



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]).