Product datasheet for TR312045

gamma Catenin (JUP) Human shRNA Plasmid Kit (Locus ID 3728)

Product data:

Product Type:	shRNA Plasmids
Product Name:	gamma Catenin (JUP) Human shRNA Plasmid Kit (Locus ID 3728)
Locus ID:	3728
Synonyms:	CTNNG; DP3; DPIII; PDGB; PG; PKGB
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	JUP - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 3728). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_002230, NM_021991, NM_001352773, NM_001352774, NM_001352775, NM_001352776, NM_001352777, NM_002230.1, NM_002230.2, NM_021991.1, NM_021991.2, BC011865, BC011865.2, BC000441, NM_002230.4, NM_021991.3
UniProt ID:	P14923
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]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).