

Product datasheet for **TL311412**

MPP2 Human shRNA Plasmid Kit (Locus ID 4355)

Product data:

Product Type:	shRNA Plasmids
Product Name:	MPP2 Human shRNA Plasmid Kit (Locus ID 4355)
Locus ID:	4355
Synonyms:	DLG2
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	MPP2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 4355). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001278370 , NM_001278371 , NM_001278372 , NM_001278373 , NM_001278374 , NM_001278375 , NM_001278376 , NM_001278381 , NM_005374 , NM_005374.1 , NM_005374.2 , NM_005374.3 , NM_005374.4 , NM_001278374.1 , NM_001278371.1 , NM_001278373.1 , NM_001278375.1 , NM_001278381.1 , NM_001278376.1 , NM_001278376.2 , NM_001278372.1 , NM_001278370.1 , BC030287 , NM_001278376.3 , NM_001278373.2 , NM_001278374.2 , NM_001278372.2
UniProt ID:	Q14168
Summary:	Palmitoylated membrane protein 2 is a member of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. Palmitoylated membrane protein 2 contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. [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).