

Product datasheet for **RC221537L3V**

DSPP (NM_014208) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DSPP (NM_014208) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DSPP
Synonyms:	DFNA39; DGI1; DMP3; DPP; DSP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014208
ORF Size:	3903 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221537).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014208.3 , NP_055023.2
RefSeq Size:	4331 bp
RefSeq ORF:	3906 bp
Locus ID:	1834
UniProt ID:	Q9NZW4
Cytogenetics:	4q22.1
Protein Families:	Druggable Genome
MW:	131.2 kDa


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Gene Summary:

This gene encodes a member of the small integrin-binding ligand N-linked glycoprotein (SIBLING) family of proteins. The encoded preproprotein is secreted by odontoblasts and proteolytically processed to generate two principal proteins of the dentin extracellular matrix of the tooth, dentin sialoprotein and dentin phosphoprotein. These two protein products may play distinct but related roles in dentin mineralization. Mutations in this gene are associated with dentinogenesis imperfecta and dentin dysplasia. This gene is present in a gene cluster on chromosome 4. Allelic differences due to repeat polymorphisms have been found for this gene. [provided by RefSeq, Jan 2016]