

Product datasheet for **RC221386L2V**

IMPG2 (NM_016247) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IMPG2 (NM_016247) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IMPG2
Synonyms:	IPM200; RP56; SPACRCAN; VMD5
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016247
ORF Size:	3723 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221386).
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_016247.2 , NP_057331.2
RefSeq Size:	4464 bp
RefSeq ORF:	3726 bp
Locus ID:	50939
UniProt ID:	Q9BZV3
Cytogenetics:	3q12.3
Protein Families:	Druggable Genome, Transmembrane
MW:	138.4 kDa



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Gene Summary:

The protein encoded by this gene binds chondroitin sulfate and hyaluronan and is a proteoglycan. The encoded protein plays a role in the organization of the interphotoreceptor matrix and may promote the growth and maintenance of the light-sensitive photoreceptor outer segment. Defects in this gene are a cause of retinitis pigmentosa type 56 and maculopathy, IMPG2-related.[provided by RefSeq, Mar 2011]