

Product datasheet for **MR222535L4V**

Rpgr (NM_011285) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rpgr (NM_011285) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rpgr
Synonyms:	Rd9; Rp3h
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011285
ORF Size:	2238 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222535).
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_011285.2 , NP_035415.1
RefSeq Size:	2801 bp
RefSeq ORF:	2241 bp
Locus ID:	19893
UniProt ID:	Q9R0X5
Cytogenetics:	X A1.1



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Gene Summary:

Could be a guanine-nucleotide releasing factor (By similarity). Plays a role in ciliogenesis (By similarity). Probably regulates cilia formation by regulating actin stress filaments and cell contractility (By similarity). May be involved in microtubule organization and regulation of transport in primary cilia (By similarity). Plays an important role in photoreceptor integrity. Isoform 5 may play a critical role in spermatogenesis and in intraflagellar transport processes.[UniProtKB/Swiss-Prot Function]