

Product datasheet for **MR209645L4V**

Gga1 (NM_145929) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gga1 (NM_145929) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gga1
Synonyms:	4930406E12Rik; AU016030; AW209092
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145929
ORF Size:	1905 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209645).
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_145929.2 , NP_666041.1
RefSeq Size:	3034 bp
RefSeq ORF:	1908 bp
Locus ID:	106039
UniProt ID:	Q8R0H9
Cytogenetics:	15 E1



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Gene Summary:

Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes (PubMed:25405894). Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (DXXLL) motif. Mediates export of the GPCR receptor ADRA2B to the cell surface (By similarity). Required for targeting PKD1:PKD2 complex from the trans-Golgi network to the cilium membrane (PubMed:25405894). Regulates retrograde transport of proteins such as phosphorylated form of BACE1 from endosomes to the trans-Golgi network (By similarity).[UniProtKB/Swiss-Prot Function]