

Product datasheet for **RC230376L4V**

GGA1 (NM_001172687) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GGA1 (NM_001172687) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GGA1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001172687
ORF Size:	1905 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230376).
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_001172687.1 , NP_001166158.1
RefSeq ORF:	1908 bp
Locus ID:	26088
UniProt ID:	Q9UJY5
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome
MW:	70.3 kDa



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Gene Summary:

This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) protein family. Members of this family are ubiquitous coat proteins that regulate the trafficking of proteins between the trans-Golgi network and the lysosome. These proteins share an amino-terminal VHS domain which mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]