

## Product datasheet for **RC227100L3V**

### ALG5 (NM\_001142364) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ALG5 (NM_001142364) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ALG5
Synonyms:	bA421P11.2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001142364
ORF Size:	882 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227100).
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. <a href="#">More info</a>
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:	<a href="#">NM_001142364.1</a> , <a href="#">NP_001135836.1</a>
RefSeq ORF:	885 bp
Locus ID:	29880
UniProt ID:	<a href="#">Q9Y673</a>
Cytogenetics:	13q13.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
MW:	33.3 kDa



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**Gene Summary:**

This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]