

Product datasheet for **RC218890L4V**

ALG11 (NM_001004127) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ALG11 (NM_001004127) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ALG11
Synonyms:	CDG1P; GT8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001004127
ORF Size:	1476 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218890).
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_001004127.1 , NP_001004127.1
RefSeq Size:	2585 bp
RefSeq ORF:	1479 bp
Locus ID:	440138
UniProt ID:	Q2TAA5
Cytogenetics:	13q14.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis



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MW: 55.5 kDa

Gene Summary: This gene encodes a GDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase which is localized to the cytosolic side of the endoplasmic reticulum (ER) and catalyzes the transfer of the fourth and fifth mannose residue from GDP-mannose (GDP-Man) to Man3GlcNAc2-PP-dolichol and Man4GlcNAc2-PP-dolichol resulting in the production of Man5GlcNAc2-PP-dolichol. Mutations in this gene are associated with congenital disorder of glycosylation type I_p (CDGIP). This gene overlaps but is distinct from the UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast) gene. A pseudogene of the GDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase has been identified on chromosome 19. [provided by RefSeq, Aug 2010]