

Product datasheet for **MR216801L3V**

Alg10b (NM_001033441) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Alg10b (NM_001033441) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Alg10b
Synonyms:	AA469671; AU045404; AW123895; C85569; Deaf1; Gm917; nse5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001033441
ORF Size:	1422 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216801).
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_001033441.3 , NP_001028613.1
RefSeq Size:	3727 bp
RefSeq ORF:	1425 bp
Locus ID:	380959
UniProt ID:	Q3UGP8
Cytogenetics:	15 E3



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Gene Summary:

Putative alpha-1,2-glucosyltransferase, which adds the third glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. Transfers glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc(2)Man(9)GlcNAc(2)-PP-Dol (By similarity). When coupled to KCNH2 may reduce KCNH2 sensitivity to classic proarrhythmic drug blockade, possibly by mediating glycosylation of KCNH2 (By similarity). Has a role in maintenance of cochlear outer hair cell function (PubMed:24303013). [UniProtKB/Swiss-Prot Function]