

## Product datasheet for **MR208441L4V**

### Alg8 (NM\_199035) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Alg8 (NM_199035) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Alg8
Synonyms:	AI447372; Gm1089
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_199035
ORF Size:	1578 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208441).
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_199035.2</a> , <a href="#">NP_950200.2</a>
RefSeq Size:	2002 bp
RefSeq ORF:	1581 bp
Locus ID:	381903
UniProt ID:	<a href="#">Q6P8H8</a>
Cytogenetics:	7 E1



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**Gene Summary:**

Adds the second 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(1)Man(9)GlcNAc(2)-PP-Dol before it is transferred to the nascent peptide (By similarity). Required for PKD1/Polycystin-1 maturation and localization to the plasma membrane of the primary cilia (PubMed:28375157).[UniProtKB/Swiss-Prot Function]