

Product datasheet for **MR206162L4V**

Asah1 (NM_019734) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Asah1 (NM_019734) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Asah1
Synonyms:	2310081N20Rik; AC; Asah
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019734
ORF Size:	1185 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206162).
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_019734.1 , NP_062708.1
RefSeq Size:	2251 bp
RefSeq ORF:	1185 bp
Locus ID:	11886
UniProt ID:	Q9WV54
Cytogenetics:	8 A4



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Gene Summary:

This gene encodes acid ceramidase, an enzyme that plays a central role in ceramide metabolism. The encoded protein undergoes proteolytic processing to generate a heterodimeric enzyme comprised of alpha and beta subunits that catalyzes the hydrolysis of sphingolipid ceramide into sphingosine and free fatty acid. The homozygous disruption of this gene leads to embryonic lethality in mice whereas the heterozygous animals exhibit a progressive lipid storage disease phenotype. [provided by RefSeq, Oct 2015]