

## Product datasheet for MC207233

### Asah1 (NM\_019734) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Asah1 (NM\_019734) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Asah1  
**Synonyms:** 2310081N20Rik; AC; Asah  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC207233 representing NM\_019734  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGGGCCAAAGTCTTCTCACCTGGGTCTAGCCGCGGCAGTCACCTGCGCCAGGCACAGGATGTGC  
 CGCCGTGGACAGAAGATTGCAGAAAATCAACGTATCCTCCTTCTGGACCAACCTATAGAGGACCAGTTCC  
 GTGGCACACCATAAATCTTGATTTACCACCCTACAAAAGATGGCATGAATTATTGGCTCAAAGGCCACCA  
 GCGTTGAGGATTTAGTGAATTCATAACGAGTTTGTGAATACATTTGTCCAAGTGGAAAATAATGA  
 AGATGGTGGATCAAAGCTGCCTGGTATGATTGGCAGCCTTCCTGACCCTTTGGAGAGGAAATGAGGGG  
 AATTGCAGATGTTACTGGGATTCCTCTAGGAGAGATTATTTCAATCAACATTTTCTATGAATTGTTACC  
 ATGTGTACATCAATCATAACTGAAGATGAGAAAGGTCATTTACTACATGGGAGAAACATGGATTTGGAA  
 TATTTCTTGGGTGGAATAAATAAACAACCTGGGTTGTACAGAAAGAAATTAAGCCCTTAACAGTGAA  
 TTTGGACTTCAAAGAAACAATAAGACTGTTTTCAAGGCTACAAGTTTTGTTGGATATGTGGCATGTTG  
 ACAGGATCAAACCAGGACTGTTCAAGTCTTCACTAAATGAACGTTTCAGTATAAATGGTGGTATCTGG  
 GTATCCTAGAATGGATGTTCCGAAGGAAAGATGCCAGTGGTAGGGTTTACTCTCGATCAGTTCTGGA  
 AAACACCACAAGTTATGAAGAAGCCAAGAACAACACTGACCAAGACCAAGATAATGGCGCCAGTATATTTT  
 ATCCTGGGAGGCAAGAAGTCTGGAGAGGGTTGTGTGATCACCGGAAAGAAAAGAGTCTTTGGATGTCT  
 ATGAACCTTGATCCTAAGCATGGCAGATGGTATGTGGTACAAACCAATTATGACAGGTGGAAAACACCTT  
 GTTTATTGATGACCGCAGAACACCGGCCAAGAAGTGTCTAAATCACACCACAGAGAATCTCTCCTTT  
 GCTACCATCTATGATGCTCTATCAACAAAACCTGTCTCAACAAGCTGACTGTATTCACAACCTTGATGG  
 ATGTTACCAAAGGTCAATTTGAAAGTCACCTTCGAGATTGCCAGACCCTTGATAGGCTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_019734
<b>Insert Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019734.3</a> , <a href="#">NP_062708.1</a>
<b>RefSeq Size:</b>	2264 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	11886
<b>UniProt ID:</b>	<a href="#">Q9WV54</a>
<b>Cytogenetics:</b>	8 A4
<b>Gene Summary:</b>	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]