

Product datasheet for **RN203862**

Asah2 (NM_053646) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asah2 (NM_053646) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Asah2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203862 representing NM_053646
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAAAGCGAACCTTCTCCTCCTTGGAGGCGTTCTCATTTCCTTCTGGTAATGATGACGGCCATCA
 CAGTGGCCCTTCTCACCTCTTGTTCGTACCAGTGGGACCATCGAAAACCACAAAGATTCAGGGAATCA
 CTGGGTTTCAACCACCCAGGGCCCCACAACCACCCAGTCTCTCCAACCACAAAACCTCCAACCACAA
 ACTCCAGACTCCCTCCCTCTCAGAACTTCAGTGGCTACTACATTGGTGTGGGGCAGCTGACTGCACCG
 GACAAGTGTGAGATATCAATTTGATGGGCTATGGCAAAAATGGCCAGAACGCACAGGGTCTCCTCACCAG
 GCTGTTACGCGCGCTTTTATCTTGGCGGATCCAGATGGGTCAAATCGAATGGCATTGTGAGCGTGAA
 CTATGCATGATTTCCCAACGACTCAGGTTGGAGGCTTGAAGAGACTACAGAGTAAATATGGCTCTCTGT
 ATCGAAGAGACAACGTTATCCTGAGTGCCACTCACACTACTCTGGCCCAGCAGGATTTTCCAATATAC
 ACTCTATATACTTGCCAGCGAGGGATTCAGCAACCGGACCTTTCAGTACATAGTCTCTGGGATCGTGAAG
 AGCATTGATATAGCACACACAAATCTTAAACCGGGCAAAGTCCTTATCAACAAAGGAAATGTTGCTAATG
 TGCAGATCAACCCGAGTCCCTCCTTACCTTCAGAATCCACCTTCGGAGAGAGCAAGGTATTCTCCGA
 CACGGACAAGGAAATGGTCGTCTTAACTGGTGGATTGAAATGGAGAAGACTTGGGCCTTATCAGCTGG
 TTTGCCGTCCACCCCGTGAAGCAACAGTAAACCTCGTCAACAGTGACAATATGGGCTACGCGG
 CTTACCTTTTCGAGCAAGAAAAGAACAGAGGCTATCTGCCTGGACAGGGACCATTCGTAGCAGGCTTTGC
 TTCATCAAATCTCGGAGACGTGTCGCCAACATTCCTGGCCACATTGTGTCAACACAGGGGAGTCTTGT
 GACAACGACAAAAGCACCTGTCCAGTGGTGGGCTAGCATGTGCATGGCCAGTGGACCCGGACAAGATA
 TGTTTGAGAGCACACACATTATAGGACGGGTCATCTATCAGAAAGCCAAGGAGCTGCATGCCTCTGCCTC
 CCAGGAAGTGACCGGCCAGTGTCTCACAGCTCACAGTGGGTGAACATGACGGATGTGAGCGTCCAACCTC
 AATGCCACACACAGTGAAGACGTGTAAGCCGCCCTGGGCTACAGTTTTGCCGAGGCACAATTGATG
 GAGTTTCGGGCCTCAATATTACACAGGGAACAACAGAAGGGAATCTATTTTGGGACTCTTCGGGACCA
 GCTCTTGGGAAAACCATCTGAAGAAATCATAGAATGCCAGAAACCTAAACCAATCCTAATCCACACGGGA
 GAGCTGACAAAACCTCATCCTTGGCAACCAGATATTGTTGATATTCAGATCGTACTCTTGGTTCGTTGG
 CCATAGCTGCTATCCCTGGGGAATTTACAACCATGTCAGGTCGAAGACTTCGTGAGGCAGTTAAAAAAGA
 ATTTGCACTTTATGGGATGAAGGATATGACTGTCGTTATCGCAGGGCTGAGCAATGTTTATACCCATTAC
 ATTACCACATATGAAGAATACCAGGCTCAGCGGTATGAGGCAGCATCTACGATTTATGGACCACACACC
 TGTCTGCGTACATCCAGCTCTTACAGGCCCTTGCTAAGGCCATTGCTACGGATACAGTAGCCAACATGAG
 CAGCGGTCTGAGCCTCCATTCTCAAAAACCTGATAGGTTCACTTATTCCCTAATATTGGCGATAGAGCA
 CCAATAGGCAAACAATTTGGGGATGTCCTGCGAGCCAGCAAAACCTGAATACAGAGTGGGAGAAGTGGTTG
 AAGTTGCTTTGTAGGCGCTAACCCAAAGAATTCAGCAGAAAACCCAGACCCATCAAACCTTCTCACTGT
 GGAGAAATACGAGGACTCTGTAGCCAATGGCAGATAATGCATAACGATGCCTCTGGGAGACGAGATTT
 TATTGGCACAAGGGAGTACTGGGCTGAGCAATGCAACAATACATTGGCATATCCAGATACTGCCCTCC
 CTGGAGTCTACAGAATCAGATATTTGGACACAATCGGAAGCAGGAACCTCTAAAGCCTGCTGTCATACT
 AGCATTGAAGGAATTTCTCCCTTTTGAATGTCACTACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053646

Insert Size: 2286 bp

OTI Disclaimer: 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).

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_053646.2</u> , <u>NP_446098.1</u>
RefSeq Size:	4914 bp
RefSeq ORF:	2286 bp
Locus ID:	114104
UniProt ID:	<u>Q91XT9</u>
Cytogenetics:	1q52
Gene Summary:	membrane-bound neutral ceramidase; hydrolyzes the N-acyl linkage of ceramide to produce sphingosine [RGD, Feb 2006]