

## Product datasheet for **SC212560**

### ASAH1 (NM\_001127505) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ASAH1 (NM_001127505) Human 3' UTR Clone
Symbol:	ASAH1
Synonyms:	AC; ACDase; ASAH; PHP; PHP32; SMAPME
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001127505
Insert Size:	1572 bp



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**Insert Sequence:** >SC212560 3'UTR clone of NM\_001127505  
 The sequence shown below is from the reference sequence of NM\_001127505. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACTGCCCTGACCCTTGTATAGGTTGGTAGCACACGTCTGGCCTACAGAATGCGGCCTCTGAGACATG
AAGACACCATCTCCATGTGACCGAACACTGCAGCTGTCTGACCTTCCAAAGACTAAGACTCGCGGCAGG
TTCTCTTTGAGTCAATAGCTTGTCTTCGTCCATCTGTTGACAAATGACAGATCTTTTTTTTTTCCCCT
ATCAGTTGATTTTTCTTATTTACAGATAACTTCTTTAGGGGAAGTAAAACAGTCATCTAGAATCACTG
AGTTTTGTTTCACTTTGACATTTGGGGATCTGGTGGGCAGTGAACCATGGTGAACCTCCACCTCCGTGG
AATAAATGGAGATTACAGCGTGGGTGTTGAATCCAGCACGTCTGTGTGAGTAACGGGACAGTAAACACTC
CACATTCTCAGTTTTTCACTTCTACCTACATATTTGTATGTTTTCTGTATAACAGCCTTTTCCTTCT
GGTTCTAACTGCTGTTAAAATTAATATATCATTATCTTTGCTGTTATTGACAGCGATATAATTTTATTA
CATATGATTAGAGGGATGAGACAGACATTCACCTGTATATTTCTTTAATGGGCACAAAATGGGCCCTT
GCCTCTAAATAGCACTTTTTGGGGTTCAAGAAATAATCAGTATGCAAAGCAATCTTTTATACAATAATT
GAAGTGTTCCTTTTTTCATAATTAATCTACTTCCAGTAAACCCTAAGGAAGTTGTAACCTAAAAAACT
GCATCCCACGTTCTGTTAATTTAGTAAATAAACAGTCAAAGACTTGTGGAAAATAGGAAGTGAACCCA
TATTTTAAATTCATAAGTAGCATTTCATGTAATAAACAGGTTTTTAGTTTGTCTTCAGATTGATAGG
GAGTTTTAAAGAAATTTAGTAGTACTAAAATATGTTACTGTATTTTTCAGAAATCAAAGTCTTAT
GAAAAGTACTAATAGAATTTGTTAACCTTTCTAACCTTCACGATTAAGTGTGAAATGTACGTCATTTGT
GCAAGACCGTTTTGTCCACTTCAATTTGTATAATCACAGTTGTGTTCCCTGACACTCAATAAACAGTCACT
GGAAAGAGTGCCAGTCAGCAGTCATGCACGCTGATTGGGTGTGTACATCTGTGTTGGTTTTGGAGGAGGG
GGTTATTATCAAGAAATACAAGCTGAACATCGTATCTGAATTAATAACAAGGGTTATGTAAGTGGGT
TATTAATATGACTAAACGGTCACAATCTTACTTTACATGACTGATACCACCTTTAACAGATACTA
TCAACCAATTTGCAGGTGTTTAAAGGCAGTTTTTCCCCCAGATAGGTGGTGCTTCCACAAAACCTTAG
TGATTCCAAGTACTTTAGTGAACGAGGAATTATAAGAGGATTTACATTAATAAGGATTTAATTAA
TGAAAAAAAACCTTACTCAGATTTTCTACCTTTACATAAATGAAGTCAGGTCAACTTGATGTATTTT
TTTGTAAATGTAATAACCTTTGATATGCCTGATAGTAAAGAGGTGAGATGCTAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001127505.3](#)

**Summary:**

This gene encodes a member of the acid ceramidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. Processing of this preproprotein generates alpha and beta subunits that heterodimerize to form the mature lysosomal enzyme, which catalyzes the degradation of ceramide into sphingosine and free fatty acid. This enzyme is overexpressed in multiple human cancers and may play a role in cancer progression. Mutations in this gene are associated with the lysosomal storage disorder, Farber lipogranulomatosis, and a neuromuscular disorder, spinal muscular atrophy with progressive myoclonic epilepsy. [provided by RefSeq, Oct 2015]

**Locus ID:**

427

**MW:**

60.4