

Product datasheet for **SC212561**

ASAH1 (NM_004315) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ASAH1 (NM_004315) Human 3' UTR Clone
Symbol:	ASAH1
Synonyms:	AC; ACDase; ASAH; PHP; PHP32; SMAPME
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004315
Insert Size:	1572 bp



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Insert Sequence: >SC212561 3'UTR clone of NM_004315
The sequence shown below is from the reference sequence of NM_004315. 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
GACTGCCCTGACCCTTGTATAGTTGGTAGCACACGTCTGGCCTACAGAATGCGGCCTCTGAGACATG
AAGACACCATCTCCATGTGACCGAACACTGCAGCTGTCTGACCTTCCAAAGACTAAGACTCGCGGCAGG
TTCTCTTTGAGTCAATAGCTTGTCTTCGTCCATCTGTTGACAAATGACAGATCTTTTTTTTTTCCCCT
ATCAGTTGATTTTTCTTATTTACAGATAACTTCTTTAGGGGAAGTAAAACAGTCATCTAGAATCACTG
AGTTTTGTTTCACTTTGACATTTGGGGATCTGGTGGGCAGTGAACCATGGTGAACCTCCACCTCCGTGG
AATAAATGGAGATTACAGCGTGGGTGTTGAATCCAGCACGTCTGTGTGAGTAACGGGACAGTAAACACTC
CACATTCTCAGTTTTTCACTTCTACCTACATATTTGTATGTTTTCTGTATAACAGCCTTTTCTTCT
GGTTCTAACTGCTGTTAAAATTAATATATCATTATCTTTGCTGTTATTGACAGCGATATAATTTTATTA
CATATGATTAGAGGGATGAGACAGACATTCACCTGTATATTTCTTTAATGGGCACAAAATGGGCCCTT
GCCTCTAAATAGCACTTTTTGGGGTTCAAGAAATAATCAGTATGCAAAGCAATCTTTTATACAATAATT
GAAGTGTTCCTTTTTTATAATTAATCTACTTCCAGTAAACCCTAAGGAAGTTGTAACCTAAAAAACT
GCATCCCACGTTCTGTTAATTTAGTAAATAAACAGTCAAAGACTTGTGGAAAATAGGAAGTGAACCCA
TATTTTAAATTCATAAGTAGCATTTCATGTAATAAACAGTTTTTGTGTTTTCAGATTGATAGG
GAGTTTTAAAGAAATTTAGTAGTACTAAAATATGTTACTGTATTTTTCAGAAATCAAAGTCTTAT
GAAAAGTACTAATAGAATTTGTTAACCTTCTAACCTTACAGTAACTGTGAAATGTACGTCATTTGT
GCAAGACCGTTTTGTCCACTTCAATTTGTATAATCACAGTTGTGTTCCCTGACACTCAATAAACAGTCACT
GGAAAGAGTGCCAGTCAGCAGTCATGCACGCTGATTGGGTGTGTACATCTGTGTTGGTTTTGGAGGAGGG
GGTTATTATCAAGAAATACAAGCTGAACATCGTATCTGAATTAATAACAAGGGTTATGTAAGTGGGT
TATTAATATGACTAAACGGTCACAATCTTACTTTACATGACTGATACCACCTTTAACAGATACTA
TCAACCAATTTGCAGGTGTTTAAAGGCAGTTTTTCCCCCAGATAGGTGGTGCTTCCACAAAACCTTAG
TGATTCGAAGTACTTTAGTGAACGAGGAATTATAAGAGGATTTACATTAATAAGGATTTAATTA
TGAAAAAAAACCTTACTCAGATTTTCTACCTTACATAAATGAAGTCAGGTCAACTTGATGTATTTT
TTTGTAAATGAATAACCTTTGATATGCCTGATAGTAAAGAGGTGAGATGCTAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

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_004315.6](#)

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