

# Recombinant Full Length Human ASAH1 Protein, GST-tagged

**Cat. No.** ASAH1-1020HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ASAH1 full-length ORF ( NP_808592.1, 1 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	395 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	71 kDa
<b>AA Sequence</b>	MPGRSCVALV LLAAAVSCAV AQHAPPWTED CRKSTYPPSG PTYRGAVPWY TINLDLPPYK RWHELMLDKA PMLKVIVNSL KNMINTFVPS GKVMQVVDEK LPGLLGNFPG PFEEEMKGIA AVTDIPLGEI ISFNIFYELF TICTSIVAED KKGHLIHGRN MDFGVFLGWN INNDTWVITE QLKPLTVNLD FQRNNKTVFK

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ASSFAGYVGM LTGFKPGLFS LTLNERFSIN GGYLGILEWI LGKKDAMWIG  
 FLTRTVLENS TSYEEAKNLL TKTKILAPAY FILGGNQSSE GCVITRDRKE  
 SLDVYELDAK QGRWYVVQTN YDRWKHPFFL DDRRTPAKMC LNRTSQENIS  
 FETMYDVLST KPVLNKLTVY TTLIDVTKGQ FETYLRDCPD PCIGW

**Applications** Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [ASAH1 N-acylsphingosine amidohydrolase \(acid ceramidase\) 1 \[ Homo sapiens \]](#)

**Official Symbol** [ASAH1](#)

**Synonyms** ASAH1; N-acylsphingosine amidohydrolase (acid ceramidase) 1; ASAH, N  
 acylsphingosine amidohydrolase (acid ceramidase); acid ceramidase; AC; FLJ21558;  
 PHP32; acid CDase; acylsphingosine deacylase; putative 32 kDa heart protein; PHP;  
 ASAH; ACDase; FLJ22079

**Gene ID** [427](#)

**mRNA Refseq** [NM\\_001127505](#)

**Protein Refseq** [NP\\_001120977](#)

**MIM** [613468](#)

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UniProt ID

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