

Recombinant Full Length Human ASAH1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ASAH1 full-length ORF (NP_808592.1, 1 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	395 amino acids
Description	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]
Molecular Mass	71 kDa
AA Sequence	MPGRSCVALV LLAAVSCAV AQHAPPWTED CRKSTYPPSG PTYRGAVPWY TINLDLPPYK RWHELM LDKA 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 KPVLNKLTVEY TTLIDVTKGQ FETYLKDCPD 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

[ASA1 N-acylsphingosine amidohydrolase \(acid ceramidase\) 1 \[Homo sapiens \]](#)

Official Symbol

[ASA1](#)

Synonyms

ASA1; N-acylsphingosine amidohydrolase (acid ceramidase) 1; ASA1, N
 acylsphingosine amidohydrolase (acid ceramidase); acid ceramidase; AC; FLJ21558;
 PHP32; acid CDase; acylsphingosine deacylase; putative 32 kDa heart protein; PHP;
 ASA1; 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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