

## Recombinant Full Length Human ASAH1 Protein, His tagged

Cat. No. ASAH1-13HFL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active recombinant human N-terminal His-tagged ASAH1 expressed in insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	22-395 aa
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	44 kDa
<b>Purity</b>	≥ 65% by SDS-PAGE
<b>Application</b>	Enzyme activity assay, ELISA, and WB
<b>Stability</b>	≥ 1 year

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<b>Storage</b>	At -80 centigrade
<b>Storage Buffer</b>	1xPBS, pH 7.2, 0.2% Triton X-100, 20% glycerol
<b>Shipping</b>	Dry ice in continental US; may vary elsewhere
<b>GENE INFORMATION</b>	
<b>Gene ID</b>	427
<b>Gene Name</b>	ASAH1 N-acylsphingosine amidohydrolase (acid ceramidase) 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	427
<b>Synonyms</b>	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;
<b>mRNA Refseq</b>	<a href="#">NM_001127505</a>
<b>Official Symbol 2</b>	ASAH1
<b>Gene ID 2</b>	427
<b>Gene Name 2</b>	ASAH1 N-acylsphingosine amidohydrolase (acid ceramidase) 1 [ Homo sapiens (human) ]
<b>mRNA Refseq 2</b>	<a href="#">NM_001127505</a>

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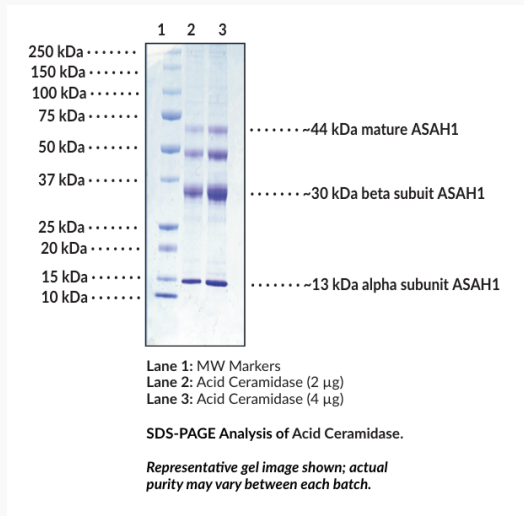
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Protein Refseq 2** NP\_001120977

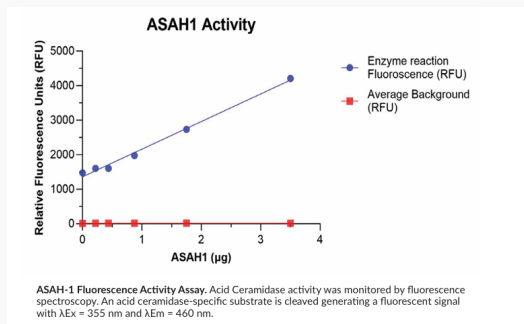
**MIM 2** 613468

**UniProt ID 2** Q13510

**SDS-PAGE**



**Activity**



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