

Recombinant Full Length Human ASAH1 Protein, His tagged

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

SPECIFICATION

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

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

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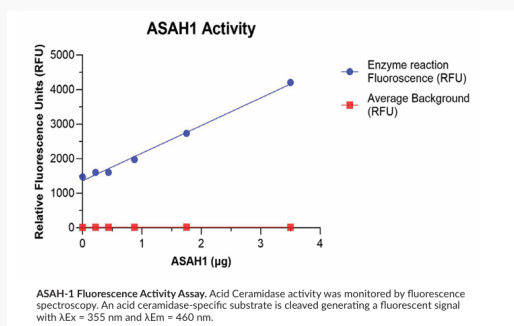
 45-1 Ramsey Road, Shirley, NY 11967, USA

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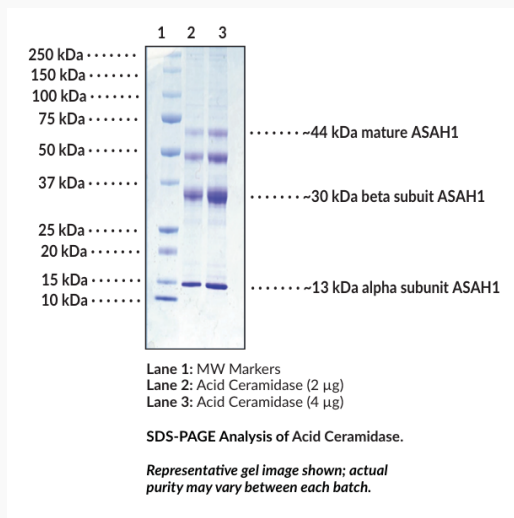
MIM 2 613468

UniProt ID 2 Q13510

Activity



SDS-PAGE



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