

Recombinant Human ASAH1 protein, His-tagged

Cat. No. ASAH1-6754H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASAH1 protein(1-389 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-389 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MNCCIGLGEKARGSHRASYPSSLALFTEASILGFGSFAVKAQWTEDCRKSTYPPSG PTVFPAVIRYRGAVPWYTINLDLPPYKRWHELM LDKAPVPGLLG NFPGP FEEEMKGI AAVTDIPLGEIISFNIFYELFTVCTSIVAEDKKGHLIHGRNMDFGVFLGWNINNDTWVIT EQLKPLTVNLDFQRNNKTVFKASSFAGYVGMLTGFKPGLFSLTLNERFSINGGYLGIL EWILGKKDAMWIGFLTRTVLENSTSYEEAKNLLTKTKILAPAYFILGGNQS GEGCVIT RDRKESLDVYELDAKQGRWYVVQTNYDRWKHPFFLDDRTPAKMCLNRTSQENIS FETMYDVLSTKPVLNKLTVYTTLIDVTKGQFETYLRDCPDPCIGW
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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](#)

UniProt ID [Q13510](#)

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SDS-PAGE

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