

## Recombinant Human ASAHI protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ASAHI protein(1-389 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-389 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 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.
<b>AASequence</b>	MNCCIGLGEKARGSHRASYPSSLALFTEASILGFGSFAVKAQWTEDCRKSTYPPSG PTVFPVIRYRGAVPWYTINLDLPPYKRWHELMMLDKAPVPGLLGNFPGPFEEMKGI AAVTDIPLGEIISFNIFYELFTVCTSIVAEDKKGHLIHGRNMDFGVFLGWNINNDTWVIT EQLKPLTVNLDQRNNKTVFKASSFAGYVGMMLTGFKPGLFSLTLNERFSINGGYLGIL EWILGKKDAMWIGFLTRTVLENSTSYEEAKNLLTKTKILAPAYFILGGNQSGEGCVIT RDRKESLDVYELDAKQGRWYVQTNYDRWKHPFFLDDRRTPAKMCLNRTSQENIS FETMYDVLSTKPVLNKLTVYTTLIDVTKGQFETYLRDCPDPCIGW
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	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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