

Recombinant Mouse Asah1 Protein, MYC/DDK-tagged

Cat. No. Asah1-655M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse N-acylsphingosine amidohydrolase 1 (Asah1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes acid ceramidase, an enzyme that plays a central role in ceramide metabolism. The encoded protein undergoes proteolytic processing to generate a heterodimeric enzyme comprised of alpha and beta subunits that catalyzes the hydrolysis of sphingolipid ceramide into sphingosine and free fatty acid. The homozygous disruption of this gene leads to embryonic lethality in mice whereas the heterozygous animals exhibit a progressive lipid storage disease phenotype.
Molecular Mass	44.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Asah1 N-acylsphingosine amidohydrolase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Asah1](#)

Synonyms [Asah1](#); N-acylsphingosine amidohydrolase 1; AC; Asah; 2310081N20Rik; acid ceramidase; ACDase; N-acylethanolamine hydrolase ASAH1; acid CDase; acylsphingosine deacylase; EC 3.5.1.23

Gene ID [11886](#)

mRNA Refseq [NM_019734](#)

Protein Refseq [NP_062708](#)

UniProt ID [Q9WV54](#)

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