

Active Recombinant Mouse Asah2 protein, His-tagged

Cat. No. Asah2-714M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Asah2 protein(NP_061300.1)(Thr34-Thr756), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Thr34-Thr756
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to hydrolyze the substrate C12:0 ceramide into sphingosine and dodecanoic acid.The specific activity is > 3,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse ASAH2 consists of 739 amino acids and has a calculated molecular mass of 82 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 105-115 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Asah2 N-acylsphingosine amidohydrolase 2 [Mus musculus]

Official Symbol Asah2

Synonyms ASAH2; N-acylsphingosine amidohydrolase 2; neutral ceramidase; NCDase; N-CDase; acylsphingosine deacylase 2; neutral/alkaline ceramidase; AI585898;

Gene ID 54447

mRNA Refseq NM_018830

Protein Refseq NP_061300

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