

## Active Recombinant Mouse Asah2 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Asah2 protein(NP_061300.1)(Thr34-Thr756), fused with His tag, was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Thr34-Thr756
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method
<b>Purity</b>	> 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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