



# Recombinant Mouse Acid ceramidase (Asah1)

<b>Product Code</b>	CSB-BP895296MO
<b>Abbreviation</b>	Asah1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9WV54
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QA QDVPPWTEDC RKSTYPPSGP TYRGPVPWHT INLDLPPYKR WHELLAQKAP ALRILVNSIT SLVNTFVPSG KLMKMVDQKL PGMIGSLPDP FGEEMRGIAD VTGIPLGEII SFNIFYELFT M
<b>Source</b>	Baculovirus
<b>Target Names</b>	Asah1
<b>Protein Names</b>	Recommended name: Acid ceramidase Short name= AC Short name= ACDase Short name= Acid CDase EC= 3.5.1.23 Alternative name(s): Acylsphingosine deacylase N-acylsphingosine amidohydrolase Cleaved into the following 2 ch
<b>Expression Region</b>	19-141
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a heterodimeric protein consisting of a nonglycosylated alpha subunit and a glycosylated beta subunit that is cleaved to the mature enzyme posttranslationally. The encoded protein catalyzes the synthesis and degradation of ceramide into sphingosine and fatty acid. Mutations in this gene have been associated with a lysosomal storage disorder known as Farber disease. Multiple transcript variants encoding several distinct isoforms have been identified for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.