

Mouse ASAH2 (His Tag) recombinant protein



Catalog Number: 502278

General Information

Gene Name Synonym

N-acylsphingosine amidohydrolase 2, isoform CRA_b

Protein Construction

A DNA sequence encoding the Luminal domain (Thr 34-Thr 756) of mouse ASAH2 (NP_061300.1) precursor was expressed with a N-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

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.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

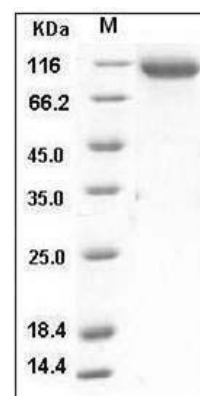
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse ASAH2 Protein (His Tag) SDS-PAGE