# 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 Lumenal 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/ $\mu g$ .

#### **Purity**

> 97 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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**

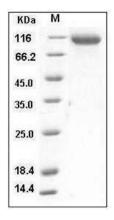
# **Storage**

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