

Mouse Arylsulfatase A / ARSA (His Tag) recombinant protein



Catalog Number: 501034

General Information

Gene Name Synonym

Cerebroside-sulfatase

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ser 506) of mouse ARSA (NP_033843.2) precursor was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave p-Nitrocatechol Sulfate (PNCS). The specific activity is >100 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

Ser 18

Molecular Mass

The secreted recombinant mouse ARSA consists of 500 amino acids and has a calculated molecular mass of 53.5 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 60 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 25mM Tris, 0.15mM NaCl, 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

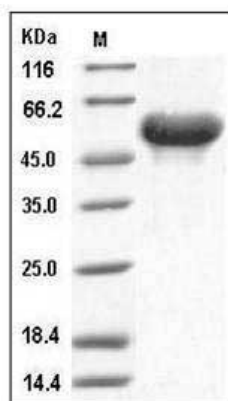
Storage

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



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