

Human Arylsulfatase A / ARSA (His Tag) recombinant protein



Catalog Number: 504520

General Information

Gene Name Synonym

ASA; EC 3.1.6.8; Cerebrosidase-sulfatase [Cleaved into: Arylsulfatase A component B; Arylsulfatase A component C]

Protein Construction

A DNA sequence encoding the human Arylsulfatase A (NP_000478.2) (Met 1-Ala 507) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS). The specific activity is >50 pmoles/min/ μ g.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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

Arg 19

Molecular Mass

The recombinant human ARSA consists of 500 amino acids and predicts a molecular mass of 53 kDa. as estimated by SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.5

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

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

Usage Guide

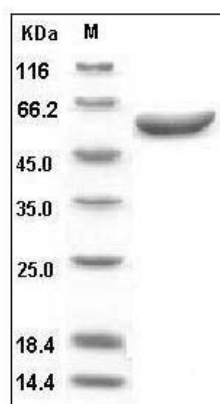
Storage

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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