

Recombinant Human Fetuin A/AHSG Protein

Catalog No.: RP00195 Recombinant 1 Publications

Sequence Information

Species **Gene ID** **Swiss Prot**
 Human 197 P02765

Tags

C-His

Synonyms

AHSG; A2HS; AHS; FETUA; HSGA;
 alpha-2-HS-glycoprotein

Background

Fetuin-A, also known as Alpha-2-HS-Glycoprotein (AHSG), belongs to the Fetuin family. It is a major plasma protein and a member of the cystatin superfamily of protease inhibitors. It is expressed by hepatocytes, the principal cell source, and by monocyte/macrophages. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues.

Basic Information

Description

Recombinant Human Fetuin A/AHSG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala19-Val367) of human Fetuin-A/AHSG/FETUA (Accession #NP_001613.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

1. Measured by its ability to inhibit calcium phosphate precipitation. The IC50 value is <25 µg/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Product Information

Source **Purification**
 HEK293 cells ≥ 95 % as
 determined by SDS-PAGE.

Calculated MW **Observed MW**
 38.18 kDa 48-55 kDa

Endotoxin

< 0.1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

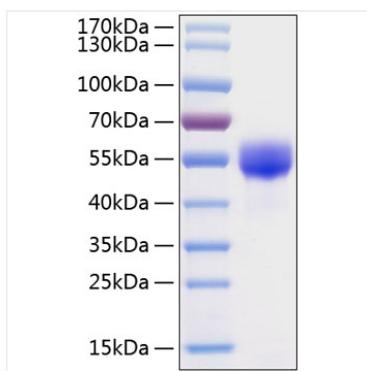
Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

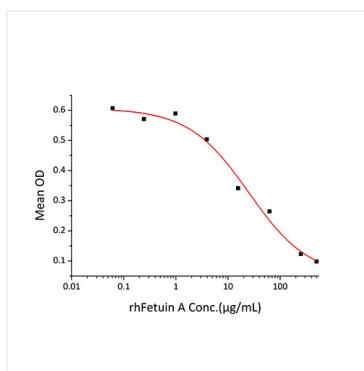
Contact

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Validation Data



Recombinant Human Fetuin A/AHSG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human Fetuin A inhibit calcium phosphate precipitation. The IC₅₀ value is <25 $\mu\text{g/mL}$.