Recombinant Human Fetuin A/AHSG Protein

Catalog No.: RP00195

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Sequence Information

Species
Human

Gene ID
197

Swiss Prot
P02765

Tags
C-His

Synonyms
AHSG, A2HS, AHS, FETUA, HSGA, alpha-2-HS-glycoprotein

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
38.18 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

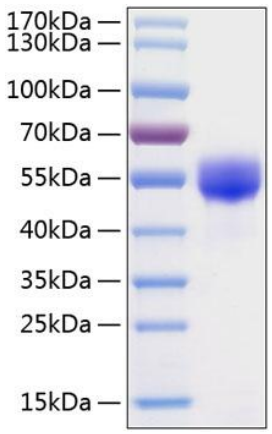
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

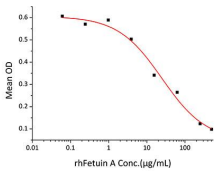
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Validation Data



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 μg/mL.