

Human Fetuin-A (His Tag) recombinant protein



Catalog Number: 500151

General Information

Gene Name Synonym

Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; Fetuin-A; Alpha-2-HS-glycoprotein chain A; Alpha-2-HS-glycoprotein chain B

Protein Construction

A DNA sequence encoding the human Fetuin A (NP_001613.2) (Met 1-Val 367) precursor was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human FCN1 at 10 µg/ml can bind biotinylated recombinant human Fetuin-A with a linear range of 16-2000 ng/ml.
2. Measured by its ability to inhibit active Cathepsin V cleavage of a fluorogenic peptide substrate Z-LR-AMC, R&D Systems, Catalog # ES008. The IC50 value is < 100 nM.

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

Ala 19

Molecular Mass

The secreted recombinant human Fetuin A consists of 360 amino acids and predicts a molecular mass of 38.8 kDa. By SDS-PAGE under reducing conditions, rhFetuinA migrates as an approximately 55-60 kDa protein due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.2

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

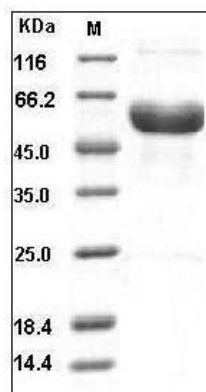
Storage

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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Human Fetuin-A / AHSG / FETUA Protein (His Tag) SDS-PAGE