# Mouse Fetuin-A (His Tag) recombinant protein

Catalog Number: 503841



#### **General Information**

#### Gene Name Synonym

Protein-tyrosine kinase receptor MPK-11

#### **Protein Construction**

A DNA sequence encoding the mouse AHSG (NP\_032037.2) precursor (Met1-Ile 345) was expressed with a polyhistidine tag at the C-terminus.

#### **Organism**

Mouse

## **Expression Host**

**Human Cells** 

## **QC Testing**

#### **Activity**

- 1. Measured by its binding ability in a functional ELISA. Immobilized human FCN1 at 10  $\mu$ g/mL can bind biotinylated recombinant mouse Fetuin-A with a linear range of 16-2000 ng/ml.
- 2. Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2, AnaSpec, Catalog # 27114. The IC50 value is <200 nM.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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

#### Ala 19

#### **Molecular Mass**

The secreted recombinant mouse AHSG consists of 338 amino acids and has a predicted molecular mass of 36.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm AHSG is approximately 50 kDa due to glycosylation.

#### **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**

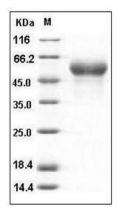
## **Storage**

Store it under sterile conditions at  $-20^{\circ}$ C to  $-80^{\circ}$ 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**



Mouse Fetuin-A / AHSG Protein (His Tag) SDS-

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