

For Research Use Only

Recombinant Mouse Fetuin-A/AHSG protein (rFc Tag)



Catalog Number: Eg3151

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse Fetuin-A protein Ala19-Ile345 (Accession# P29699) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

11625

Accession:

P29699

Predicted Molecular Mass:

61.3 kDa

SDS-PAGE:

62-85 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Fetuin-A, also called Alpha 2-Heremans Schmid Glycoprotein (AHSG), is a multifunctional plasma agent with a molecular weight of approximately 60 kDa and half-life of several days. Fetuin-A is mainly synthesized by the liver. Fetuin-A plays a role as a physiological inhibitor of insulin receptor tyrosine kinase associated with insulin resistance and a negative acute phase reactant. It also regulates bone remodeling and calcium metabolism being an important inhibitor of calcium salt precipitation and vascular calcifications.

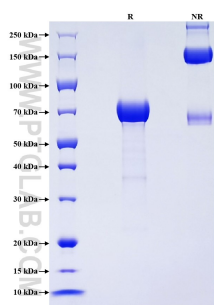
References

- 1.Goustin AS, et al. (2011). Cell Signal. 23(6):980-990.
- 2.Dabrowska AM, et al. (2015). Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub. 159(3):352-359.
- 3.Ochieng J, et al. (2018). Int J Mol Sci. 19(8):2211.

Synonyms

Ahsg, Alpha-2-HS-glycoprotein, Countertrypin, Fetua, Fetuin-A

Selected Validation Data



Purity of Recombinant Mouse Fetuin-A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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