

Recombinant Human ASGPR1 Protein

Catalog No.: RP03227 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	432	P07306-1

Tags

C-His

Synonyms

Asialoglycoprotein Receptor 1; ASGP-R 1; ASGPR 1; C-Type Lectin Domain Family 4 Member H1; Hepatic Lectin H1; HL-1; ASGR1; CLEC4H1

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Calculated MW	Observed MW
27.43 KDa	34-48 KDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2. 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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Background

Asialoglycoprotein Receptor 1 (ASGPR1) is an endocytic recycling receptor, belongs to the long-form subfamily of the C-type/Ca²⁺-dependent lectin family. ASGPR consists of two noncovalently-linked subunits, ASGPR1 and ASGPR2. ASGPR1 mediates the endocytosis of plasma glycoproteins, recognizes terminal galactose and N-acetylgalactosamine units. When the ligand binds to ASGPR1, results in the complex is internalized and transported to a sorting organelle, then ASGPR1 and ligand can be disassociated, ASGPR1 returns to the cell membrane surface.

Basic Information

Description

Recombinant Human ASGPR1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln62-Ile291) of Human ASGPR1 (Accession #NP_001662.1) fused with His tag at the C-terminus.

Bio-Activity

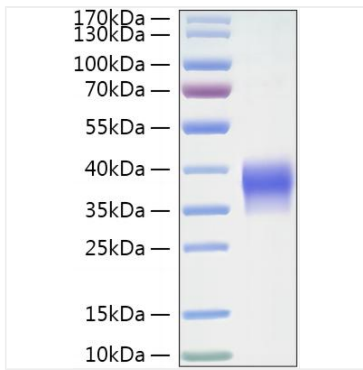
Storage

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.

Validation Data



Recombinant Human ASGPR1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 34-45 kDa.