

For Research Use Only

# Recombinant Human ASGR1/ASGPR1 protein (His Tag)



Catalog Number: Eg0946

## Basic Information

**ED50:**  
/

**GeneID:**  
432

**Species:**  
Human

**Accession:**  
P07306-1

**Purity:**  
>90 %, SDS-PAGE

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<1.0 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human ASGR1 protein Gln62-Leu291 (Accession# P07306-1) with a His tag at the N-terminus.

**Predicted Molecular Mass:**  
27.2 kDa

**SDS-PAGE:**  
32-38 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from sterile 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

Asialoglycoprotein receptor (ASGPR), also known as the hepatic galactose/N-acetylglucosamine (GlcNAc) receptor or Ashwell receptor, is a C-type lectin expressed exclusively in hepatic parenchymal cells. ASGPR consists of two subunits, a major subunit (ASGR1, HL-1) and a minor subunit (ASGR2, HL-2), and specifically recognizes terminal  $\beta$ -linked galactose or GlcNAc on circulating glycoproteins or cells. ASGPR plays a critical role in serum glycoprotein homeostasis by mediating the endocytosis and lysosomal degradation of glycoproteins that contain terminal galactose or GlcNAc residues.

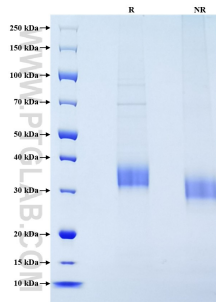
## References

- 1.Meier, M. et al. (2000). J. Mol. Biol. 300:857.
- 2.Rigopoulou El. et al. (2012). Autoimmun Rev. 12(2):260-9.
- 3.Weigel, P.H. and J.H.N. Yik (2002). Biochim. Biophys. Acta 1572:341.
- 4.Meier, M. et al. (2000). J. Mol. Biol. 300:857.

## Synonyms

ASGR1,asialoglycoprotein receptor 1,HL-1,ASGP R 1,

## Selected Validation Data



Purity of Recombinant Human ASGR1 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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.