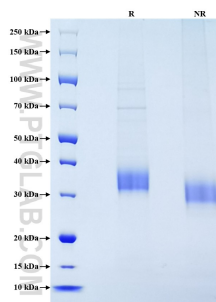


# Recombinant Human ASGR1 protein (His Tag)

Catalog Number: Eg0946

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human ASGR1 protein Gln62-Leu291 (Accession# P07306-1) with a His tag at the N-terminus.</p> <p><b>GeneID:</b> 432</p> <p><b>Accession:</b> P07306-1</p> <p><b>Predicted Molecular Mass:</b> 27.5 kDa</p> <p><b>SDS-PAGE:</b> 32-38 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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 β-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.</p>		
References	<ol style="list-style-type: none"><li>1.Meier, M. et al. (2000). J. Mol. Biol. 300:857.</li><li>2.Rigopoulou El. et al. (2012). Autoimmun Rev. 12(2):260-9.</li><li>3.Weigel, P.H. and J.H.N. Yik (2002). Biochim. Biophys. Acta 1572:341.</li><li>4.Meier, M. et al. (2000). J. Mol. Biol. 300:857.</li></ol>		
Synonyms	asialoglycoprotein receptor 1, HL-1, ASGP R 1, ASGPR, ASGPR 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

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