

Recombinant Human asialoglycoprotein receptor 1 Protein, Tag Free

Cat. No. ASGR1-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ASGR1 protein (P07306-1) (Gln 62-Leu 291) without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	62-291aa
Description	This gene encodes a subunit of the asialoglycoprotein receptor. This receptor is a transmembrane protein that plays a critical role in serum glycoprotein homeostasis by mediating the endocytosis and lysosomal degradation of glycoproteins with exposed terminal galactose or N-acetylgalactosamine residues. The asialoglycoprotein receptor may facilitate hepatic infection by multiple viruses including hepatitis B, and is also a target for liver-specific drug delivery. The asialoglycoprotein receptor is a hetero-oligomeric protein composed of major and minor subunits, which are encoded by different genes. The protein encoded by this gene is the more abundant major subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Mediates the endocytosis of plasma glycoproteins to which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. The receptor recognizes terminal galactose and N-acetylgalactosamine units. After ligand binding to the receptor, the resulting complex is internalized and transported to a sorting organelle, where receptor and ligand are disassociated. The

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receptor then returns to the cell membrane surface.

Tag	Non
Molecular Mass	29.1 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	ASGR1 asialoglycoprotein receptor 1 [Homo sapiens (human)]
Official Symbol	ASGR1
Synonyms	ASGR1; asialoglycoprotein receptor 1; CLEC4H1; hepatic lectin H1; C-type lectin domain family 4 member H1; HL-1; ASGPR; ASGPR1;
Gene ID	432
mRNA Refseq	NM_001197216

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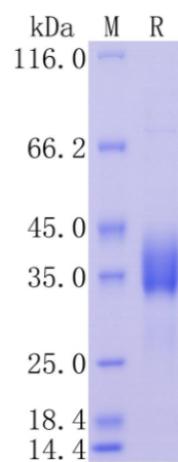
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Protein Refseq NP_001184145

MIM 108360

UniProt ID P07306

**Protein on SDS-
PAGE under
reducing (R)
condition.**



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