

Active Recombinant Human ASGR1, His-tagged

Cat. No. ASGR1-586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Mammalian Cells

Product Overview Recombinant human ASGR1 fused a 9 His tag at N-terminal was produced in Mouse myeloma NS0 cells.

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.

Purity >90% by SDS PAGE

Form Lyophilized from a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details.

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EndotoxinLevel	<1.0EU per 1 µg of the protein by the LAL method.
MolecularWeight	38kDa, reducing conditions
Activity	Measuredby its binding ability in a functional ELISA. rhASGPR1 immobilized at 2.5µg/mL (100 µL/well) on a Mouse Anti-polyHistidine Monoclonal Antibody coatedplate can bind biotinylated β-Gal-Nac-PAA with a linear range of 5-300 ng/mL.
Reconstitution	Reconstituteat 100 µg/mL in sterile PBS.
Storage	12 months from date of receipt, 20 to 70 oC assupplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3months, 20 to 70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	ASGR1 asialoglycoprotein receptor1 [Homo sapiens]
Official Symbol	ASGR1
Synonyms	ASGR1;asialoglycoprotein receptor 1; HL-1; ASGPR; ASGPR1; CLEC4H1; hepatic lectinH1; C-type lectin domain family 4 member H1; OTTHUMP00000128354; ASGP-R 1
Gene ID	432
mRNA Refseq	NM_001197216
Protein Refseq	NP_001184145
MIM	108360

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UniProt ID	P07306
Chromosome Location	17p13.2
Function	asialoglycoproteinreceptor activity; metal ion binding; protein binding

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