

Recombinant Human ASGR1, His-tagged

Cat. No. ASGR1-589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ASGR1 with apolyhistidine tag at the N-terminus was expressed in Human Cells, 28.8 kDa (246aa).
Species	Human
Source	Human 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 % as determined by SDS-PAGE.
Endotoxin	<1.0 EU per µg of the protein as determined by the LAL method.
Stability	Samples are stable for up to twelve months from date of receipt at -70 °C.
Predicted N terminal	His

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Formulation	Lyophilized from 0.2 µm filtered solution of. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Storage	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Official Symbol	ASGR1
GENE INFORMATION	
Gene Name	ASGR1 asialoglycoprotein receptor1 [Homo sapiens]
Synonyms	ASGR1; asialoglycoprotein receptor 1; HL-1; ASGPR; ASGPR1; CLEC4H1; hepatic lectin H1; C-type lectin domain family 4 member H1; OTTHUMP00000128354; ASGPR 1
Gene ID	432
mRNA Refseq	NM_001197216
Protein Refseq	NP_001184145
MIM	108360
UniProt ID	P07306
Chromosome Location	17p13.2
Function	asialoglycoprotein receptor activity; metal ion binding; protein binding