

Active Recombinant Monkey ASGR1 Protein, Fc-tagged

Cat. No. ASGR1-11008M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus ASGR1 Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Ser 61 - Leu 291 (Accession # XP_005582755.1). This protein carries a human IgG1 Fc tag at the N-terminus. Predicted N-terminus: Pro
Species	Monkey
Source	HEK293
ProteinLength	61-291 aa
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. [provided by RefSeq, Jan 2011]
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus ASGR1 Protein, Fc Tag at 1

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	μg/mL (100 μL/well) can bind Mouse Anti-Human ASGR1 antibody-4G5, Mouse IgG2b Mouse Kappa with a linear range of 0.06-1 ng/mL.
Molecular Mass	The protein has a calculated MW of 52.9 kDa. The protein migrates as 55 kDa and 60-65 when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ASGR1 asialoglycoprotein receptor 1 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	ASGR1
Synonyms	ASGR1; asialoglycoprotein receptor 1; HL-1; mHL-1; ASGPR 1; ASGP-R 1; hepatic lectin 1; Asgr; ASGPR1; Asgr-1;
Gene ID	102139430

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mRNA Refseq	XM_005582698
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Protein Refseq	XP_005582755
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UniProt ID	G7PTF5
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