

Recombinant Human Asialoglycoprotein Receptor 2, His-tagged

Cat. No. ASGR2-7208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ASGR2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 28.9 kDa.
Species	Human
Source	E.coli
ProteinLength	80-311aa
Description	ASGR2 is 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. It may facilitate hepatic infection by multiple viruses including hepatitis B, and is also a target for liver-specific drug delivery. ASGR2 is a hetero-oligomeric protein composed of major and minor subunits, which are encoded by different genes. ASGR2 is the less abundant minor subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	28.9 kDa (255aa) confirmed by MALDI-TOF

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AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQSEGHARG AQLQAELRSL KEAFSNFSSS TLTEVQAIST HGGSVGDKIT SLGAKLEKQQ QDLKADHDAL LFHLKHFPVD LRFVACQMEL LHSNGSQRTC CPVNWVEHQG SCYWFSHSGK AWAEAEKYCQ LENAHLVVIN SWEEQKFIVQ HTNPFNTWIG LTDSDGSWKW VDGTDIRHNY KNWAVTQPDN WHGHELGGSE DCVEVQPDGR WNDDFCLQVY RWVCEKRRNA TGEVA
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ASGR2 asialoglycoprotein receptor 2 [Homo sapiens]
Official Symbol	ASGR2
Synonyms	ASGR2; asialoglycoprotein receptor 2; CLEC4H2; hepatic lectin H2; HBxAg-binding protein; C-type lectin domain family 4 member H2; HL-2; HBXBP; ASGPR2; ASGP-R2; FLJ60040;
Gene ID	433
mRNA Refseq	NM_001181
Protein Refseq	NP_001172

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MIM	108361
UniProt ID	P07307
Chromosome Location	17p
Function	asialoglycoprotein receptor activity; protein binding; receptor activity; sugar binding;

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