

Product information



ASGR2, 80-311aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1776

Full name: Asialoglycoprotein receptor 2

NCBI Accession No.: NP_001172

Synonyms: ASGP-R2; ASGPR2; CLEC4H2; HBXBP; HL-2

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. Recombinant human ASGR2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

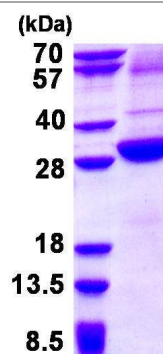
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl,

30% glycerol, 1mM DTT

Molecular Weight: 28.9 kDa (255aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSQSEGHGRG AQLQAE LRSL KEAFSNFSSS TLTEVQAIST HGGSVGDKIT SLGAKLEKQQ QDLKADHDAL
LFHLKHFPVD LRFVACQ MEL LHSNGSQRTC CPVNWVEHQG SCYWFSHSGK AWAEAEKYCQ LENAHLVVIN SWEEQKFIVQ HTNPFNTWIG
LTSDSGSWKW VDGTDYRHNY KNWAVTQPDN WHGHELGGSE DCVEVQPDGR WNDDFCLQVY RWVCEKRRNA TGEVA

General references:

Seow YY., *et al.* (2002). *Nephron*. 91(3):431-8.

Veselkin E., *et al.* (2011). *PLoS One*. 6(11):e27210.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com