

# Recombinant human ASGR2 protein

Catalog Number: ATGP1776

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

80-311aa

### UniProt No.

P07307

### NCBI Accession No.

NP\_001172

### Alternative Names

Asialoglycoprotein receptor 2, ASGP-R2; ASGPR2; CLEC4H2; HBXBP; HL-2

## PRODUCT SPECIFICATION

---

### Molecular Weight

28.9 kDa (255aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### 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

# Recombinant human ASGR2 protein

Catalog Number: ATGP1776

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.

## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSQSEHGRG AQLQAELRSL KEAFSNFSSS TLTEVQAIST HGGSVGDKIT SLGAKLEKQQ  
QDLKADHDAL LFHLKHFPVD LRFVACQ MEL LHSNGSQRTC CPVNWVEHQG SCYWFSHSGK AWAEAEKYCQ  
LENAHLVVIN SWEEQKFIVQ HTNPFNTWIG LTSDSGSWKW VDGTDYRHNY KNWAVTQPDN WHGHELGGSE  
DCVEVQPDGR WNDDFCLQVY RWVCEKRRNA TGEVA

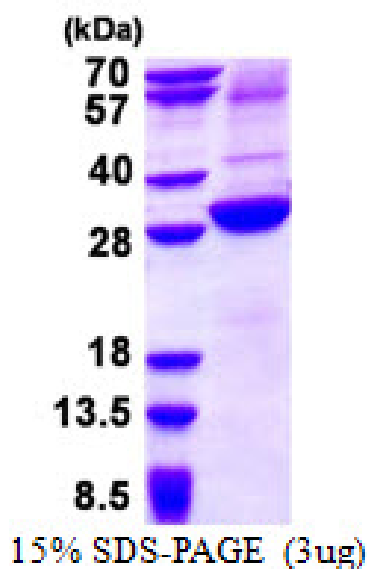
## General References

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

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

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.