HUMAN ASGR1 PROTEIN, HIS TAG

Cat.#: 11805

Product Name: Human ASGR1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ASGPR;ASGPR1;CLEC4H1;HL-1

Target: ASGR1

UNIPROT ID: P07306

Description: Recombinant human ASGR1 protein with N-terminal 6xHis tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 27.2 kDa after removal of the signal peptide. The apparent molecular mass of His-ASGR1 is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: 6×His tag ASGR1(Gln62-Leu291)

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

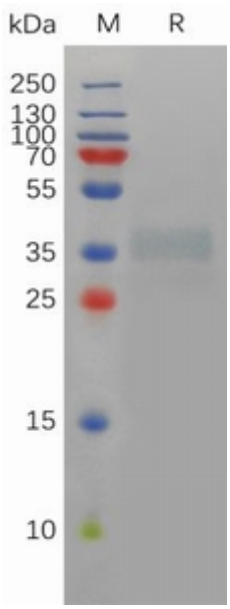

Figure 1. Human ASGR1 Protein, His Tag on SDS-PAGE under reducing condition.