

Recombinant Human ASGR1/ASGPR1 Protein (His Tag)

Catalog Number: PKSH033403

Note: Centrifuge before opening to ensure complete recovery of vial contents.

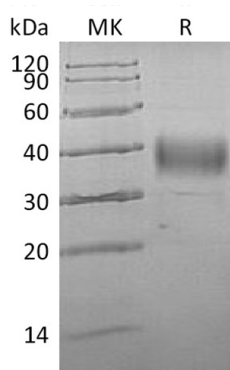
Description

Species	Human
Source	HEK293 Cells-derived Human ASGR1/ASGPR1 protein Gln62-Ile291, with an C-terminal His
Calculated MW	27.4 kDa
Observed MW	34-48 kDa
Accession	P07306
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Asialoglycoprotein Receptor 1 (ASGPR1) is an endocytic recycling receptor; belongs to the long-form subfamily of the C-type/Ca²⁺-dependent lectin family. ASGPR consists of two noncovalently-linked subunits; ASGPR1 and ASGPR2. ASGPR1 mediates the endocytosis of plasma glycoproteins; recognizes terminal galactose and N-acetylgalactosamine units. When the ligand binds to ASGPR1; results in the complex is internalized and transported to a sorting organelle; then ASGPR1 and ligand can be disassociated; ASGPR1 returns to the cell membrane surface.

For Research Use Only