



Recombinant Protein Technical Manual

Recombinant Human ASGR1/ASGPR1 Protein (His Tag)

RPE33554

Product Data:

Product SKU: RPE33554

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P07306

Protein Information:

Molecular Mass: 27.4 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Asialoglycoprotein Receptor 1; ASGP-R 1; ASGPR 1; C-Type Lectin Domain Family 4 Member H1; Hepatic Lectin H1; HL; ASGR1; CLEC4H1

Immunogen Information:

Sequence: Gln62-Ile291

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.