

ASGR1 Protein, Rat, Recombinant (His & Myc)

General Information

Synonyms:	Asialoglycoprotein receptor 1;ASGP-R 1;Asgr-1;Hepatic lectin 1 (HL-1;rHL-1);Asgr1;ASGPR 1
Protein Construction:	61-284 aa
Species:	Rat
Expression Host:	HEK293 Cells
Accession:	P02706
Molecular Weight:	31 kDa (predicted)
AA Sequence:	QNSQLREDLRVLRQNFNSFTVSTEDQVKALTTQGERVGRKMKLVESQLEKHQEDLREDHSRLLLHVKQLVSD VRSLSCQMAALRGNGSERICCPINWVEYEGSCYWFSSSVKPWTEADKYCQLENAHLVVVTSWEEQRFVQQH MGPLNTWIGLTDQNGPWKWVDGTDYETGFKNWRPGQPDDWYGHGLGGGEDCAHFTTDGHWNDVDCRR PYRWVCETELGKAN

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Mediates the endocytosis of plasma glycoproteins to which the terminal sialic acid residue on their complex

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carbohydrate moieties has been removed. The receptor recognizes terminal galactose and N-acetylgalactosamine units. After ligand binding to the receptor, the resulting complex is internalized and transported to a sorting organelle, where receptor and ligand are disassociated. The receptor then returns to the cell membrane surface.

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