

ASGR2 Protein, Human (HEK293, His)

Cat. No.:	HY-P76736
Synonyms:	Asgr2; Asgr-2; Asialoglycoprotein receptor 2; ASGP-R 2; ASGPR 2; Hepatic lectin 2; HL-2; mHL-2
Species:	Human
Source:	HEK293
Accession:	P07307 (Q80-A311)
Gene ID:	433
Molecular Weight:	37-42 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ASGR2 protein serves as a mediator in the endocytosis of plasma glycoproteins, particularly those from which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. This receptor exhibits recognition capabilities for terminal galactose and N-acetylgalactosamine units. Upon ligand binding to the receptor, the resulting complex undergoes internalization and is transported to a sorting organelle, where receptor and ligand disassociate. Subsequently, the receptor returns to the cell membrane surface. It is suggested that the functioning ligand-binding unit of this receptor is at least a dimer. Additionally, ASGR2 engages in interactions with LASS2.
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Caution: Product has not been fully validated for medical applications. For research use only.

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