

## ASGR1/ASGPR1 Protein, Mouse (Biotinylated, HEK293, His)

Cat. No.:	HY-P77555
Synonyms:	ASGPR; ASGPR1; ASGR1; Asialoglycoprotein receptor 1; CLEC4H1; Hepatic lectin H1; MHL1
Species:	Mouse
Source:	HEK293
Accession:	P34927 (S60-N284)
Gene ID:	11889
Molecular Weight:	Approximately 28 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> 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	ASGR1/ASGPR1 Protein assumes a crucial role in cellular processes by mediating the endocytosis of plasma glycoproteins whose terminal sialic acid residue on complex carbohydrate moieties has been removed. The receptor's recognition of terminal galactose and N-acetylgalactosamine units enables the internalization of ligands, forming a complex that is subsequently transported to a sorting organelle. Within this organelle, the receptor and ligand disassociate, and ASGR1/ASGPR1 is recycled back to the cell membrane surface. The protein's involvement in these dynamic processes underscores its significance in the cellular handling of glycoproteins and contributes to the regulation of cellular homeostasis. Notably, ASGR1/ASGPR1 also interacts with LASS2, expanding its molecular associations and suggesting potential implications in cellular signaling or coordination.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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