

ASGR2/ASGPR2 Protein, Mouse (His-SUMO)

Cat. No.:	HY-P72091
Synonyms:	Asgr2; Asgr-2; Asialoglycoprotein receptor 2; ASGP-R 2; ASGPR 2; Hepatic lectin 2; HL-2; mHL-2
Species:	Mouse
Source:	E. coli
Accession:	P24721 (Q80-H301)
Gene ID:	11890
Molecular Weight:	Approximately 45.9 kDa

PROPERTIES

AA Sequence	<p> Q S I Q L Q E E F R T L K E T F S N F S S S T L M E F G A L D T L G G S T N A I L T S W L A Q L E E K Q Q Q L K A D H S T L L F H L K H F P M D L R T L T C Q L A Y F Q S N G T E C C P V N W V E F G G S C Y W F S R D G L T W A E A D Q Y C Q L E N A H L L V I N S R E E Q D F V V K H R S Q F H I W I G L T D R D G S W K W V D G T D Y R S N Y R N W A F T Q P D N W Q G H E Q G G G E D C A E I L S D G H W N D N F C Q Q V N R W V C E K R R N I T H </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.
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 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	<p>ASGR2/ASGPR2 Protein plays a crucial role in cellular processes by mediating the endocytosis of plasma glycoproteins from which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. Recognizing terminal galactose and N-acetylgalactosamine units, the receptor facilitates the internalization of ligands, forming a complex that is subsequently transported to a sorting organelle. Within this organelle, the receptor and ligand dissociate, and the receptor is then recycled back to the cell membrane surface. ASGR2/ASGPR2's engagement in these dynamic processes highlights its significance in the cellular handling of glycoproteins and contributes to the regulation of cellular homeostasis. The protein also interacts with LASS2, further expanding its molecular associations and potential implications in cellular signaling or</p>
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coordination.

Caution: Product has not been fully validated for medical applications. For research use only.

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