## Recombinant Human ASGR1/ASGPR1 Protein (His Tag)

## Catalog Number: PKSH033403

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description			
Species	Human		
Source	HEK293 Cells-derived Human ASGR1/ASGPR1 protein Gln62-Ile291, with an C-		
	terminal His		
Calculated MW	27.4 kDa		
Observed MW	34-48 kDa		
Accession	P07306		
<b>Bio-activity</b>	Not validated for activity		
Properties			
Purity	> 95 % as determined by reducing SDS-PAGE.		
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.		
Storage	Generally, 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 $< -20^{\circ}$ 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.		
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants		
	before lyophilization.		
	Please refer to the specific buffer information in the printed manual.		
Reconstitution	Please refer to the printed manual for detailed information.		
Data			
	kDa <u>MK R</u>		
	120		

KDa	IVIN	n
120 90 60		
40		Acces.
30		-
20		
14	-	

> 95 % as determined by reducing SDS-PAGE.

## 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 subnits; ASGPR1 and ASGPR2. ASGPR1 mediates the endocytosis of plasma glycoproteins; recognizes terminal galactose and N-acetylgalactosamine units. When the ligand binds to 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.