

## Product datasheet for PH305686

### Asialoglycoprotein Receptor 1 (ASGR1) (NM\_001671) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ASGR1 MS Standard C13 and N15-labeled recombinant protein (NP_001662)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205686
Predicted MW:	33.2 kDa
Protein Sequence:	>RC205686 protein sequence Red=Cloning site Green=Tags(s)  MTKEYQDLQHLDNEESDHHQLRKGPPPPQPLLQRLCSGPRLLLLSLGLSLLLLVVVVCVIGSQNSQLQEEL RGLRETFNFTASTEAAQVKGLSTQGGNVGRKMKSLQSLEKQKDLSEHSSLLLVKQFVSDLRSLSCQ MAALQNGSERTCCPVNWEHERSCYWFSRSGKAWADADNYCRLEDAHLVVVTSWEEQKFVQHHIGPVNT WMGLHDQNGPWKWDGTDYETGFKNWRPEQPDDWYGHGLGGGEDCAHFTDDGRWDDVCQRPYRWVCETE LDKASQEPPLL  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001662</a>
RefSeq Size:	1519
RefSeq ORF:	873
Synonyms:	ASGPR; ASGPR1; CLEC4H1; HL-1
Locus ID:	432



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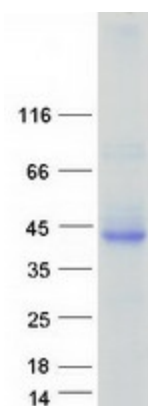
UniProt ID: [P17661](#), [P07306](#), [Q53SB5](#), [Q6FGQ5](#)

Cytogenetics: 17p13.1

**Summary:** This gene encodes a subunit of the asialoglycoprotein receptor. This receptor is a transmembrane protein that plays a critical role in serum glycoprotein homeostasis by mediating the endocytosis and lysosomal degradation of glycoproteins with exposed terminal galactose or N-acetylgalactosamine residues. The asialoglycoprotein receptor may facilitate hepatic infection by multiple viruses including hepatitis B, and is also a target for liver-specific drug delivery. The asialoglycoprotein receptor is a hetero-oligomeric protein composed of major and minor subunits, which are encoded by different genes. The protein encoded by this gene is the more abundant major subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified ASGR1 protein (Cat# [TP305686]). The protein was produced from HEK293T cells transfected with ASGR1 cDNA clone (Cat# [RC205686]) using MegaTran 2.0 (Cat# [TT210002]).