

Recombinant Human ASGR1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ASGR1-089H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

ASGR1 MS Standard C13 and N15-labeled recombinant protein (NP_001662) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

33.2 kDa

AA Sequence

MTKEYQDLQHLDNEESDHHQLRKGPPPPQPLLQRLCSGPRLLLLSLGLSLLLLVVVC
VIGSQNSQLQEELRGLRETFNFTASTEAVKGLSTQGGNVGRKMKLSLESQLEKQQ
KDLSEDHSSLLLHVKQFVSDLRSLSCQMAALQGNGSERTCCPVNWWVEHERSCYWF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SRSGKAWADADNYCRLEDAHLVVVTSWEEQKFVQHHIGPVNTWMGLHDQNGPWK
 WVDGTDYETGFKNWRPEQPDDWYGHGLGGGEDCAHFTDDGRWNDDVCQRPYR
 WVCETELDKASQEPPLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ASGR1 asialoglycoprotein receptor 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ASGR1](#)

Synonyms ASGR1; asialoglycoprotein receptor 1; ASGPR; ASGPR1; CLEC4H1; HL-1; asialoglycoprotein receptor 1; C-type lectin domain family 4 member H1; hepatic lectin H1

Gene ID [432](#)

mRNA Refseq [NM_001671](#)

Protein Refseq [NP_001662](#)

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MIM	108360
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UniProt ID	P07306
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