

Recombinant Human ASGR1, GST-tagged

Cat. No. ASGR1-587H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human ASGR1 with gst-tag at N-terminal was produced in wheat germ expressionsystem in vitro, 57.75 kDa (291aa).

Species

Human

Source

Wheat Germ

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.

Amino acid sequence

MTKEYQDLQHLDNEESDHHQLRKGPPPPQPLLQRLCSGPRLLLLSLGLSLLLLVVVC
VIGSQNSQLQEELRGLRETFSNFTASTEAVKGLSTQGGNVGRKMKSLESQLEKQQ
KDLSEDHSSLLLHVKQFVSDLRSLSCQMAALQGNGSERTCCPVNWEHERSCYWF
SRSGKAWADADNYCRLEDAHLVVVTSWEEQKFVQHHIGPVNTWMGLHDQNGPWK
WVDGTDYETGFKNWRPEQPDDWYGHGLGGGEDCAHFTDDGRWNDDVCQRPYR
WVCETELDKASQEPPLL

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Purification	GlutathioneSepharose 4 Fast Flow
Note	Best use withinthree months from the date of receipt of this protein.
Applications	ELISA; WB; AntibodyProduction; Protein Array
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione,pH8.0 in the elution buffer.
Storage	Store at -80°C. Aliquot to avoidrepeated freezing and thawing.
OfficialSymbol	ASGR1
GENE INFORMATION	
Gene Name	ASGR1 asialoglycoprotein receptor1 [Homo sapiens]
Synonyms	ASGR1;asialoglycoprotein receptor 1; HL-1; ASGPR; ASGPR1; CLEC4H1; hepatic lectinH1; C-type lectin domain family 4 member H1; OTTHUMP00000128354; ASGP-R 1
Gene ID	432
mRNA Refseq	NM_001197216
Protein Refseq	NP_001184145
MIM	108360
UniProt ID	P07306
Chromosome Location	17p13.2

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Function

asialoglycoproteinreceptor activity; metal ion binding; protein binding

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