

Product datasheet for **RC205686**

Asialoglycoprotein Receptor 1 (ASGR1) (NM_001671) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asialoglycoprotein Receptor 1 (ASGR1) (NM_001671) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asialoglycoprotein Receptor 1
Synonyms:	ASGPR; ASGPR1; CLEC4H1; HL-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205686 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAAGGAGTATCAAGACCTTCAGCATCTGGACAATGAGGAGAGTGACCACCATCAGCTCAGAAAAG
GGCCACCTCCTCCCAGCCCTCCTGCAGCGTCTCTGCTCCGGACCTCGCCTCCTCCTGCTCTCCCTGGG
CCTCAGCCTCCTGCTGCTTGTGGTTGTCTGTGTGATCGGATCCAAAACCTCCAGCTGCAGGAGGAGCTG
CGGGCCCTGAGAGAGACGTTTCAGCAACTCACAGCGAGCACGGAGGCCAGGTCAAGGGCTTGAGCACCC
AGGGAGGCAATGTGGGAAGAAAGATGAAGTCGCTAGAGTCCAGCTGGAGAAACAGCAGAAGGACCTGAG
TGAAGATCACTCCAGCCTGCTGCTCCACGTGAAGCAGTTCGTGTCTGACCTGCGGAGCCTGAGCTGTGAG
ATGGCGCGCTCCAGGGCAATGGCTCAGAAAGGACCTGCTGCCCGGTCAACTGGGTGGAGCACGAGCGCA
GCTGCTACTGGTTCTCTCGCTCCGGGAAGGCTGGGCTGACGCCGACAATACTGCCGGCTGGAGGACGC
GCACCTGGTGGTGGTACGTCCTGGGAGGAGCAGAAAATTTGTCCAGCACCATAGGCCCTGTGAACACC
TGGATGGGCTCCACGACAAAACGGCCCTGGAAGTGGTGGACGGGACGGACTACGAGACGGGCTTCA
AGAAGTGGAGGCCGGAGCAGCCGGACGACTGGTACGGCCAGGGCTCGGAGGAGGCGAGGACTGTGCCCA
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CTGGACAAGGCCAGCCAGGAGCCACCTCTCCTT

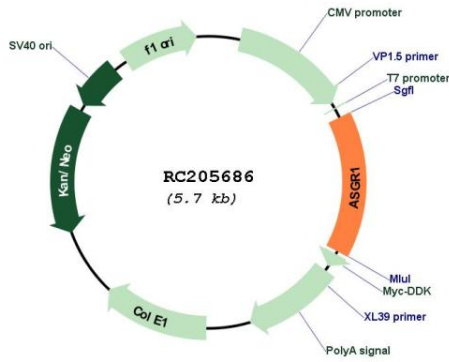
ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



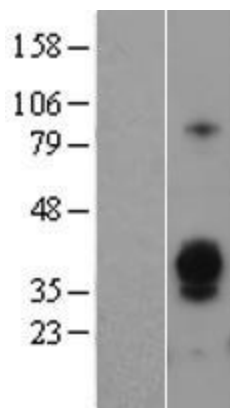
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001671.5
RefSeq Size:	1519 bp
RefSeq ORF:	876 bp
Locus ID:	432
UniProt ID:	P07306
Cytogenetics:	17p13.1
Domains:	CLECT, lectin_N
Protein Families:	Druggable Genome, Transmembrane
MW:	33.2 kDa
Gene Summary:	<p>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]</p>

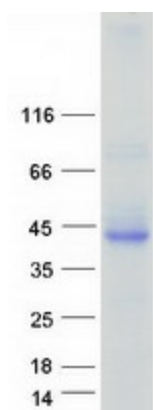
Product images:



Circular map for RC205686



Western blot validation of overexpression lysate (Cat# [LY400631]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205686 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).