

Product datasheet for **SC119380**

Asialoglycoprotein Receptor 2 (ASGR2) (NM_001181) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asialoglycoprotein Receptor 2 (ASGR2) (NM_001181) Human Untagged Clone
Tag:	Tag Free
Symbol:	Asialoglycoprotein Receptor 2
Synonyms:	ASGP-R2; ASGPR2; CLEC4H2; HBXBP; HL-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001181, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAAGGACTTTCAAGATATCCAGCAGCTGAGCTCGGAGGAAAATGACCATCCTTTCCATCAAGGTG
AGGGGCCAGGCACTCGCAGGCTGAATCCCAGGAGAGGAAATCCATTTTTGAAAGGGCCACCTCCTGCCCA
GCCCTGGCACAGCGTCTCTGCTCCATGGTCTGCTTCAGTCTGCTTGCCCTGAGCTTCAACATCCTGCTG
CTGGTGGTCATCTGTGTGACTGGGTCCCAAAGTGAGGGTCACAGGGGTGCACAGCTGCAAGCCGAGCTGC
GGAGCCTGAAGGAAGCTTTCAGCAACTTCTCCTCGAGCACCTGACGGAGGTCCAGGCAATCAGCACCCA
CGGAGGCAGCGTGGGTGACAAGATCACATCCCTAGGAGCCAAGCTGGAGAAACAGCAGCAGGACCTGAAA
GCAGATCAGGATGCCCTGCTCTCCATCTGAAGCACTTCCCCGTGGACCTGCGCTTCGTGGCCTGCCAGA
TGGAGCTCCTCCACAGCAACGGCTCCCAAAGGACCTGCTGCCCGTCAACTGGGTGGAGCACCAAGGCAG
CTGCTACTGGTTCTCTCACTCCGGGAAGGCCTGGGCTGAGGCGGAGAAGTACTGCCAGCTGGAGAACGCA
CACCTGGTGGTCATCAACTCCTGGGAGGAGCAGAAATTCATTGTACAACACACGAACCCCTTCAATACCT
GGATAGGTCTCACGGACAGTGTGGCTCTTGAAATGGGTGGATGGCACAGACTATAGGCACAACACTCAA
GAACTGGGCTGTCACTCAGCCAGATAATTGGCACGGGCACGAGCTGGGTGGAAGTGAAGACTGTGTTGAA
GTCCAGCCGGATGGCCGCTGGAACGATGACTTCTGCTGCAGGTGTACCCTGGGTGTGTGAGAAAAGGC
GGAATGCCACCGCGAGGTGGCCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001181 unedited GTCAGAATTTGTAAACGACTTCACTATAGGCGGCCGNAATTCGCACCAGCCAAGGCCA GGGTTGCCTGCGGGAGCCAGGTGTCCGCTCTCCACACCTTTCACAGCCCCAGCCCTCAGA GCAACCTCAGCCCAGCCCAGCCCAGCTCCAGCTCCAGCTCCAGCCCAGCCCCCATCATGG CCAAGGACTTTCAAGATATCCAGCAGCTGAGCTCGGAGGAAAATGACCATCCTTTCCATC AAGGTGAGGGGCCAGGCACTCGCAGGCTGAATCCAGGAGAGGAAATCCATTTTTGAAAG GGCCACCTCCTGCCAGCCCCTGGCACAGCGTCTCTGCTCCATGGTCTGCTTCAGTCTGC TTGCCCTGAGCTTCAACATCCTGCTGCTGGTGGTCATCTGTGTGACTGGGTCCCAAAGTG CACAGCTGCAAGCCGAGCTGCGGAGCCTGAAGGAAGCTTTCAGCAACTTCTCCTCGAGCA CCCTGACGGAGGTCCAGGCAATCAGCACCCACGGAGGCAGCGTGGGTGACAAGATCACAT CCCTAGGAGCCAAGCTGGAGAAACAGCAGCAGGACCTGAAAGCAGATCACGATGCCCTGC TCTTCCATCTGAAGCACTTCCCCGTGGACCTGCGCTTCGTGGCCTGCCAGATGGAGCTCC TCCACAGCAACGGCTCCCAAAGGACCTGCTGCCCGTCAACTGGGTGGAGACCAAGGCA GCTGCTACTGGTCTCTCACTCCGGGAAGGCTGGGCTGAGGCGGAGAAGTACTGCCAGC TGGAGAACGCACACCTTGGTGTCACTCAACTCCTGGGAGGAGCAGAAATTCATTGTACAAC ACACGAAACCCCTTCATACCTGGATAGGTCTCACGGACAGTGATGGCTCTGGNNAATGGGT GGGATGCACAGACTATAGGGCACACTACAGACTGGGCTGTCTCAGCCGATATTGGCACG GCCNACTGGGTGAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_001181
Insert Size:	2750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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:	<u>NM_001181.2</u> , <u>NP_001172.1</u>
RefSeq Size:	1405 bp
RefSeq ORF:	936 bp
Locus ID:	433
UniProt ID:	<u>P07307</u>
Cytogenetics:	17p13.1
Domains:	CLECT, lectin_N

Protein Families: Druggable Genome, Transmembrane

Gene 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 less abundant minor subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (1), also known as H2a, differs in the 5' UTR, compared to variant H2'. Variants H2' and 1 encode the same isoform (a).