

## Product datasheet for **SC305876**

### Asialoglycoprotein Receptor 2 (ASGR2) (NM\_080912) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asialoglycoprotein Receptor 2 (ASGR2) (NM_080912) 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:** >OriGene sequence for NM\_080912 edited  
GCAGGCCCTTGCCCGGACCAGCCCCTCCTCACTCTCCTCTCCCCTGTGAGCTCCACCTGC  
CCCAGTTCTCCTGGCTTTAACCCCTCCTTGCCCAAGGCCAGGGTTGCCTGCGGGAGCCAG  
GTGTCCGCTCTCCACACCTTTCACAGCCCCAGCCCTCAGAGCAACCTCAGCCCAGCCAG  
CCCAGCTCCAGCTCCAGCTCCAGCCCGGCCCCATCATGGCCAAGGACTTTCAAGATATC  
CAGCAGCTGAGCTCGGAGGAAAATGACCATCCTTTCCATCAAGGTGAGGGGCCAGGCACT  
CGCAGGCTGAATCCCAGGAGAGGAAAATCCATTTTTGAAAGGGCCACCTCCTGCCAGCCC  
CTGGCACAGCGTCTGTCTCCATGGTCTGCTTCAGTCTGCTTGCCCTGAGCTTCAACATC  
CTGCTGCTGGTGGTCATCTGTGACTGGGTCCCAAAGTGAGGGTCACAGAGGTGCACAG  
CTGCAAGCCGAGCTGCGGAGCCTGAAGGAAGCTTTCAGCAACTTCTCCTCGAGCACCTG  
ACGGAGGTCCAGGCAATCAGCACCCACGGAGGCAGCGTGGGTGACAAGATCACATCCCTA  
GGAGCCAAGCTGGAGAAACAGCAGCAGGACCTGAAAGCAGATCACGATGCCCTGCTCTTC  
CATCTGAAGCACTTCCCCGTGGACCTGCGCTTCGTGGCCTGCCAGATGGAGCTCCTCCAC  
AGCAACGGCTCCCAAAGGACCTGCTGCCCGTCAACTGGGTGGAGCACCAGGCACTGC  
TACTGGTTCTCTCACTCCGGGAAGGCCTGGGCTGAGGCGGAGAAGTACTGCCAGCTGGAG  
AACGCACACCTGGTGGTCATCAACTCCTGGGAGGAGCAGAAAATTCATTGTACAACACAG  
AACCCCTTCAATACCTGGATAGGTCTCACGGACAGTGATGGCTCTTGAAATGGGTGGAT  
GGCACAGACTATAGGCACAACACAAGAAGTGGGCTGTCACTCAGCCAGATAATTGGCAC  
GGGCACGAGCTGGGTGGAAGTGAAGACTGTGTTGAAGTCCAGCCGGATGGCCGCTGGAAC  
GATGACTTCTGCCTGCAGGTGTACCGCTGGGTGTGTGAGAAAAGCGGAATGCCACCGGC  
GAGGTGGCCTGACCCAGCACACCTCTGGCTAACCCATACCCACACCTGCCAGCTCTG  
GCTTCTCTGTTGAGGATTTTGGAGAAAGGAAGAAACTGAGACAGGGGTATGGGGAAGA  
GCTGAGCAAAGAGAGAAAGGAGGTAGTTTAAGAGTCCCTGACCCTGGAGGACTGAGATCC  
CACCTCCTTGTAAATTCATTGTAATTATTATAATCGTCAGCCTCTTCAATGGCGTAGGA  
AAGAAGAAACAAATGCTTGAATCTCAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



[View online »](#)

<b>ACCN:</b>	NM_080912
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_080912.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_080912.1</a></u> , <u><a href="#">NP_550434.1</a></u>
<b>RefSeq Size:</b>	1493 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	433
<b>UniProt ID:</b>	<u><a href="#">P07307</a></u>
<b>Cytogenetics:</b>	17p13.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<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 less abundant minor subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (H2') represents the longest transcript and encodes the longest isoform (a). Variants H2' and 1 encode the same isoform.</p>