OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC232441

Asialoglycoprotein Receptor 2 (ASGR2) (NM_001201352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asialoglycoprotein Receptor 2 (ASGR2) (NM_001201352) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asialoglycoprotein Receptor 2
Synonyms:	ASGP-R2; ASGPR2; CLEC4H2; HBXBP; HL-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC232441 representing NM_001201352
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAAGGACTTTCAAGATATCCAGCAGCTGAGCTCGGAGGAAAATGACCATCCTTTCCATCAAGGTG
AGGGGCCAGGCACTCGCAGGCTGAATCCCAGGAGAGGAAATCCATTTTTGAAAGGGCCACCTCCTGCCCA
GCCCCTGGCACAGCGTCTCTGCTCCATGGTCTGCTTCAGTCTGCTTGCCCTGAGCTTCAACATCCTGCTG
CTGGTGGTCATCTGTGTGACTGGGTCCCAAAGTGCACAGCTGCAAGCCGAGCTGCGGAGCCTGAAGGAAG
CTTTCAGCAACTTCTCCTCGAGCACCCTGACGGAGGTCCAGGCAATCAGCACCCACGGAGGCAGCGTGGG
TGACAAGATCACATCCCTAGGAGCCAAGCTGGAGAAACAGCAGCAGGACCTGAAAGCAGATCACGATGCC
CTGCTCTTCCATCTGAAGCACTTCCCCGTGGACCTGCGCTTCGTGGCCTGCCAGATGGAGCTCCTCCACA
GCAACGGCTCCCAAAGGACCTGCTGCCCCGTCAACTGGGTGGAGCACCAAGGCAGCTGCTACTGGTTCTC
TCACTCCGGGAAGGCCTGGGCTGAGGCGGAGAAGTACTGCCAGCTGGAGAACGCACACCTGGTGGTCATC
AACTCCTGGGAGGAGCAGAAATTCATTGTACAACACACGAACCCCTTCAATACCTGGATAGGTCTCACGG
ACAGTGATGGCTCTTGGAAATGGGTGGATGGCACAGACTATAGGCACAACTACAAGAACTGGGCTGTCAC
TCAGCCAGATAATTGGCACGGGCACGAGCTGGGTGGAAGTGAAGACTGTGTTGAAGTCCAGCCGGATGGC
CGCTGGAACGATGACTTCTGCCTGCAGGTGTACCGCTGGGTGTGTGAGAAAAGGCGGAATGCCACCGGCG
AGGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

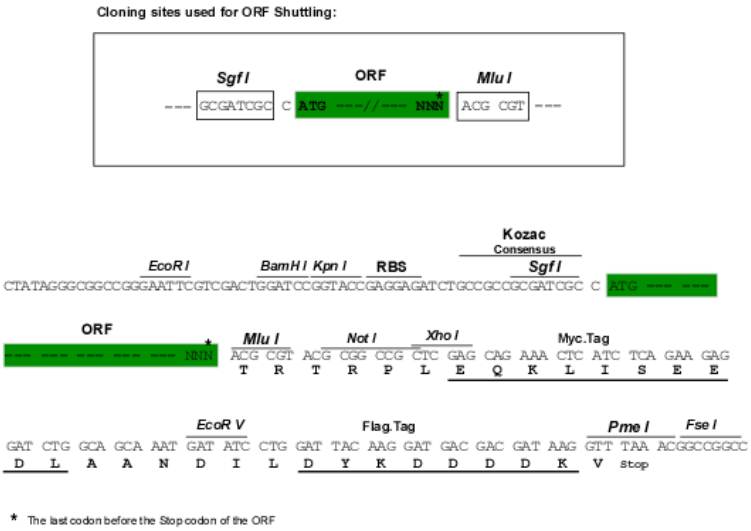
>RC232441 representing NM_001201352
Red=Cloning site Green=Tags(s)

MAKDFQDIQQLSSEENDHPFHQGEGPGTRRLNPRRGNPFLKGPPPAQPLAQRLCSMVCFSLLALSFNILL
LVVICVTGSQSAQLQAELRSLKEAFSNFSSSTLTEVQAISTHGGSVGDKITSLGAKLEKQQQDLKADHDA
LLFHLKHFPVDLRFVACQMELLHSNGSQRTCCPVNWVEHQGSCYWFSHSGKAWAEAEKYCQLENAHLVVI
NSWEEQKFIVQHTNPFNTWIGLTDSDGSWKWVDGTDYRHNYKNWAVTQPDNWHGHELGGSEDCVEVQPDG
RWNDDFCLQVYRWVCEKRRNATGEVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201352

ORF Size: 918 bp

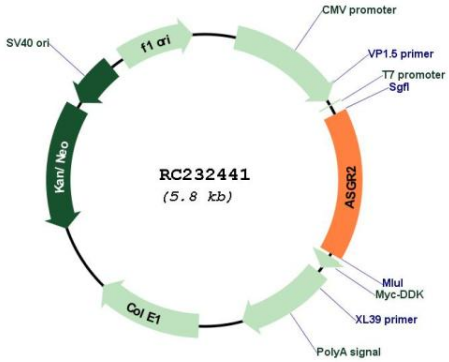
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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_001201352.1, NP_001188281.1
RefSeq Size:	1441 bp
RefSeq ORF:	921 bp
Locus ID:	433
UniProt ID:	P07307
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transmembrane
MW:	35.1 kDa
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]

Product images:



Circular map for RC232441