

Product datasheet for MR204202

Asgr2 (NM_007493) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Asgr2 (NM_007493) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Asgr2
Synonyms: A; AS; Asg; ASGPR2; Asgr; Asgr-2; HL-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204202 representing NM_007493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAGGACTGTCAAGACATCCAGCAGCTGGACTCTGAGGAGAATGACCATCAGCTCAGTGGCGATG
 ATGAACATGGCTCTCATGTGCAGGATCCTAGGATAGAAAATCCACTGGAAAGGGCAGCCTCTTTCCAG
 GCCCTTTCCTCAGCGCCTCTGCTCCACGTTCCGCCTCAGTCTGCTCGCCCTGGCCTTCAACATCCTCCTG
 TTGGTGGTCATCTGTGTGGTTTCATCTCAAAGCATACAGCTGCAAGAAGAGTTTCGGACCCTGAAAGAAA
 CCTTCAGCAACTTTTCTCCAGCACCTGATGGAGTTCGGGGCTCTGGACACCCTCGGAGGTAGCACAAA
 CGCCATACTGACTTCCTGGTTAGCCCAACTGGAGGAGAAGCAGCAACAGCTAAAGGCAGACCATTCCACA
 TTGCTCTTTCACCTGAAGCACTTCCAATGGATCTGCGAACCCCTGACCTGTGAGCTGGCGTACTTCCAGA
 GCAATGGCACGGAATGCTGCCCTGTTAACTGGGTGGAGTTCGGGGGAAGCTGCTACTGGTTTTCTCGGGA
 TGGGCTCACCTGGGCTGAGGCTGACCAGTACTGCCAGCTGGAGAACGCCACCTGCTGGTCATCAACTCC
 AGGGAGGAGCAGGACTTTGTTGTAAGCACAGGAGCCAGTTTCATATTTGGATAGGTCTTACCGACAGGG
 ATGGCTCCTGAAATGGGTGGATGGAAGTATTATAGAAGCAACTACAGGAATTGGGCCTTCACTCAGCC
 AGATAACTGGCAGGGCCATGAACAGGGTGGAGGTGAAGACTGTGCTGAAATCCTGTCAGATGGCCATTGG
 AATGACAACTTCTGCCAGCAGGTGAACCGCTGGGTATGCGAAAAGAGACGGAACATCACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204202 representing NM_007493
Red=Cloning site Green=Tags(s)

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MEKDCQDIQQLDSEENDHQLSGDDEHGSHVQDPRIENPHWKGPQLSRPFPQRLCSTFRLSLLALAFNILL
LVVICVSSQSIQLQEEFRTLKETFSNFSSTLMEFGALDTLGGSTNAILTSWLAQLEEKQQQLKADHST
LLFHLKHFPMDLRTLTCQLAYFQSNTECCPVNWVEFGGSCYWF SRDGLTWAEADQYQLEN AHL L VINS
REEQDFVVKHRSQFHIWIGL TDRDGSWKWVDGTDYRSNYRNWAF TQPDNWQGHEQGGGEDCAEILSDGHW
NDNF CQQVNRWVCEKRRNITH
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007493

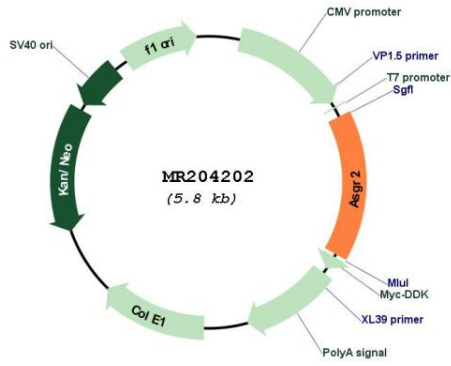
ORF Size: 903 bp

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:	<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_007493.3 , NP_031519.1
RefSeq Size:	1373 bp
RefSeq ORF:	906 bp
Locus ID:	11890
UniProt ID:	P24721
Cytogenetics:	11 42.99 cM
MW:	35.4 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 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, Sep 2015]

Product images:



Circular map for MR204202