

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**CGCATCGCC**

ATGGAGAAGGACTGTCAAGACATCCAGCAGCTGGACTCTGAGGAGAATGACCATCAGCTCAGTGGCGATG
ATGAACATGGCTCTCATGTGCAGGATCCTAGGATAGAAAATCCACTGGAAAGGCGAGCCTCTTTCCAG
GCCCTTTCTCAGCGCCTCTGCTCCACGTTCCGCCTCAGTCTGCTCGCCCTGGCCTTCAACATCCTCCTG
TTGGTGGTCATCTGTGTGGTTTCATCTCAAAGCATAACAGCTGCAAGAAGAGTTTCGGACCCTGAAAGAAA
CCTTCAGCAACTTTCTCCAGCACCTGATGGAGTTCGGGGCTCTGGACACCCTCGGAGGTAGCACAAA
CGCCATACTGACTTCCTGGTTAGCCCACTGGAGGAGAAGCAGCAACAGCTAAAGGCAGACCATTCCACA
TTGCTCTTTACCTGAAGCACTTCCCAATGGATCTGCGAACCCTGACCTGTGAGTGGCGTACTTCCAGA
GCAATGGCACGGAATGCTGCCCTGTAACTGGGTGGAGTTCGGGGGAAGCTGCTACTGGTTTTCTCGGGA
TGGGCTCACCTGGGCTGAGGCTGACCAGTACTGCCAGCTGGAGAACGCCACCTGCTGGTCATCAACTCC
AGGGAGGAGCAGGACTTTGTTGTAAGCACAGGAGCCAGTTTCATATTTGGATAGGTCTTACCGACAGGG
ATGGCTCCTGGAATGGGTGGATGGAAGTATTATAGAAGCACTACAGGAATTGGGCCTTCACTCAGCC
AGATACTGGCAGGGCCATGAACAGGGTGGAGGTGAAGACTGTGCTGAAATCCTGTCAGATGGCCATTGG
AATGACAACTTCTGCCAGCAGGTGAACCGCTGGGTATGCGAAAAGAGACGGAACATCACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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

MEKDCQDIQQLDSEENDHQLSGDDEHGSHVQDPRIENPHWKGQPLSRFPQRLCSTFRLSLLALAFNILL
 LVVICVSSQSIQLQEEFRTLKETFSNFSSTLMEFGALDTLGGSTNAILTSWLAQLEEKQQQLKADHST
 LLFHLKHFPMDLRTLTCQLAYFQSNTECCPVNWVEFGGSCYWF SRDGLTWAEADQYCQLENAHLLVINS
 REEQDFVVKHRSQFHIWIGLTDRDGSWKWVDGTDYRSNYRNWAF TQPDNWQGHEQGGGEDCAEILSDGHW
 NDNFCQQVNRWVCEKRRNITH

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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007493.3](#), [NP_031519.1](#)

RefSeq Size: 1373 bp

RefSeq ORF: 906 bp

Locus ID: 11890

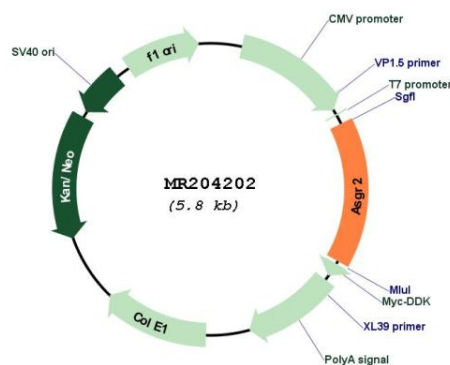
UniProt ID: [P24721](#)

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