

## Product datasheet for **MC205737**

### Asgr2 (NM\_007493) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asgr2 (NM_007493) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asgr2
Synonyms:	A; AS; Asg; ASGPR2; Asgr; Asgr-2; HL-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011197

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GACCCAGCTCTTGCCCTAGATTGGCCCCCTCCTCCCTCTCACCTAGCTCCACTAGCACCACCTGTCCCGTCT
CCCAGGTTTAGCCCCCTTTCTCCTTGGGCTCAGGCTGTCTCCGAAAGCCAGAGTCAGCTCTCTATACCT
TTAACAGCCCTTAGGGCCATCATGGAGAAGGACTGTCAAGACATCCAGCAGCTGGACTCTGAGGAGAATG
ACCATCAGCTCAGTGGCGATGACGAACACGGCTCTCATGTGCAGGATCCTAGGATAGAAAATCCACACTG
GAAAGGGCAGCCTCTTTCCAGGCCCTTTCTCAGCGCCTCTGCTCCACGTTCCGCCTCAGTCTGCTCGCC
CTGGCCTTCAACATCCTCTGTTGGTGGTCATCTGTGTGGTTTCATCTCAAAGCATACAGCTGCAAGAAG
AGTTTCGGACCTGAAAGAAACCTTCAGCAACTTTTCTCCAGCACCTGATGGAGTTCGGGGCTCTGGA
CACCTCGGAGGTAGCACAACGCCATACTGACTTCTGGTTAGCCCACTGGAGGAGAAGCAGCAACAG
CTAAAGGCAGACCATTCCACATTGCTCTTTCACCTGAAGCACTTCCCAATGGATCTGCGAACCTGACCT
GTCAGCTGGCGTACTTCCAGAGCAATGGCACGGAATGCTGCCCTGTTAACTGGGTGGAGTTCGGGGGAAG
CTGCTACTGGTTTTCTCGGGATGGGCTCACCTGGGCTGAGGCTGACCAGTACTGCCAGCTGGAGAAGGCC
CACCTGCTGGTCATCAACTCCAGGGAGGAGCAGGACTTTGTTGTAAGCACAGGAGCCAGTTTCATATTT
GGATAGGTCTTACCGACAGGGATGGCTCCTGGAATGGGTGGATGGAAGTATTATAGAAGCAACTACAG
GAATTGGGCTTCACTCAGCCAGATAACTGGCAGGGCCATGAACAGGGTGGAGGTGAAGACTGTGCTGAA
ATCCTGTCAGATGGCCATTGGAATGACAACCTCTGCCAGCAGGTGAACCGCTGGGTATGCGAAAAGAGAC
GGAACATCACCCACTAGGAGTCGGCTCGACCAATCCCCACCCCGCCCCACCCCAATCCTCACTGGGGTACT
GGAGCAAGGAAGAGAAACAGGGTCCCAAGCATGAGGAGGGTTATGGAAGTGGAAAGGGCATGGCTCT
ATGGTCTCATACCTTAGGAAGACTGAGAATCCCCCTTCTGCACAATTTATTGCAATTGTTATAAATTTT
AGCCTTCTGAATGGAGTAGGAAAAAAGAGAAAGACTTGAAAAAAGAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_007493
Insert Size:	906 bp



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**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](mailto: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](#)

**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:** [BC011197](#), [AAH11197](#)

**RefSeq Size:** 1385 bp

**RefSeq ORF:** 906 bp

**Locus ID:** 11890

**UniProt ID:** [P24721](#)

**Cytogenetics:** 11 42.99 cM

**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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 all encode the same isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.