

## Product datasheet for MR203849

### Asgr1 (NM\_009714) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asgr1 (NM_009714) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asgr1
Synonyms:	ASGPR1; Asgr; Asgr-1; HL-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203849 representing NM_009714 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAAAGGATTATCAAGATTTCCAGCACCTGGACAATGATAATGACCATCATCAACTCCGGAGAGGGC  
CGCCTCCCACTCCACGGCTCTTGACGCGACTCTGCTCTGGATCCCGCTCCTCTGCTCTCTCGAGCCT  
CAGCATTCTGTTGCTGGTGGTGTCTGTGTGATCACATCCAAAATTCCTCAACTCCGGGAAGATCTGCTG  
GCTCTAAGGCAGAATTTAGCAACCTCACTGTGAGCACTGAGGACCAGGTCAAGGCCCTGAGCACCAGG  
GAAGTAGTGTGGGAAGAAAGATGAAGTTAGTGGAGTCGAAGCTGGAAAAACAGCAGAAGGATCTGACTGA  
AGATCACTCCAGTTTGCTACTGCAGTGAAGCAGTTAGTGTCTGACGTGCGAAGCTTGAGCTGCCAGATG  
GCTGCATTTCCGGGCAATGGCTCTGAAAGGACCTGCTGCCCATCAACTGGGTGGAGTATGAAGGCAGT  
GCTACTGGTTCTCCAGCTCTGTGAGGCCTTGGACTGAAGCTGACAAGTACTGCCAGCTGGAAAATGCCCA  
TCTGGTGGTGGTACCTCCAGGGATGAGCAGAACTTCTCCAGCGCCACATGGGCCCTTAAACACTTGG  
ATTGGCCTAAGTACCAGAACGGGCCCTGGAAATGGGTGGATGGAACAGACTACGAGACAGGCTTCCAGA  
ATTGGAGACCAGACAGCCAGATAACTGGTACGGACATGGGCTTGGAGGAGGCGAGGACTGTGCCCACTT  
CACGACGGATGGCCGCTGGAATGACGACGTCTGCAGGAGGCCCTACCGCTGGGTCTGTGAGACAAAGTTG  
GATAAGGCTAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203849 representing NM\_009714  
Red=Cloning site Green=Tags(s)

MTKDYQDFQHLNDNDHHQLRRGPPPTPRLLQRLCSGSRLSSSSLSILLVVVCVITSQNSQLREDLL  
 ALRQNFSNLTVSTEDQVKALSTQGSSVGRKMMLVESKLEKQKDLTEDHSSLLLVKQLVSDVRSLSQCM  
 AAFRNGSERTCCPINWVEYEGSCYWFSSSVRPWTEADKYCQLENAHLVVVTSRDEQNFQRHMGPLNTW  
 IGLTDQNGPWKWDGTDYETGFQNRPEQPDNWWYGHGLGGGEDCAHFTTDGRWNDDVCRPPYRWVCETKL  
 DKAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_a02.zip](https://cdn.origene.com/chromatograms/mm9024_a02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009714

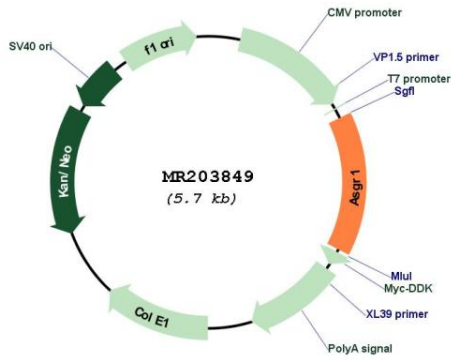
**ORF Size:** 852 bp

**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](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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_009714.3</a>
<b>RefSeq Size:</b>	1245 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	11889
<b>UniProt ID:</b>	<a href="#">P34927</a>
<b>Cytogenetics:</b>	11 42.98 cM
<b>MW:</b>	33 kDa
<b>Gene Summary:</b>	Mediates the endocytosis of plasma glycoproteins to which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. The receptor recognizes terminal galactose and N-acetylgalactosamine units. After ligand binding to the receptor, the resulting complex is internalized and transported to a sorting organelle, where receptor and ligand are disassociated. The receptor then returns to the cell membrane surface.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203849