

Product datasheet for **MG203849**

Asgr1 (NM_009714) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Asgr1 (NM_009714) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Asgr1
Synonyms: ASGPR1; Asgr; Asgr-1; HL-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203849 representing NM_009714
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAAGGATTATCAAGATTTCCAGCACCTGGACAATGATAATGACCATCATCAACTCCGGAGAGGGC
CGCCTCCCACTCCACGGCTCTTGACGCGACTCTGCTCTGGATCCCGCTCCTCTGCTCTCTCGAGCCT
CAGCATTCTGTTGCTGGTGGTGTCTGTGTGATCACATCCAAAATTCCTCAACTCCGGGAAGATCTGCTG
GCTCTAAGGCAGAATTTAGCAACCTCACTGTGAGCACTGAGGACCAGGTCAAGGCCCTGAGCACCAGG
GAAGTAGTGTGGGAAGAAAGATGAAGTTAGTGGAGTCGAAGCTGGAAAAACAGCAGAAGGATCTGACTGA
AGATCACTCCAGTTTGCTACTGCACGTGAAGCAGTTAGTGTCTGACGTGCGAAGCTTGAGCTGCCAGATG
GCTGCATTTCCGGGCAATGGCTCTGAAAGGACCTGCTGCCCATCAACTGGGTGGAGTATGAAGGCAGCT
GCTACTGGTTCTCCAGCTCTGTGAGGCCTTGGACTGAAGCTGACAAGTACTGCCAGCTGGAAAATGCCCA
TCTGGTGGTGGTACCTCCAGGGATGAGCAGAACTTCTCCAGCGCCACATGGGCCCTTAAACACTTGG
ATTGGCCTAAGTACCAGAACCGGCCCTGGAAATGGGTGGATGGAACAGACTACGAGACAGGCTTCCAGA
ATTGGAGACCAGACAGCCAGATAACTGGTACGGACATGGCTTGGAGGAGGCGAGGACTGTGCCCACTT
CACGACGGATGGCCGCTGGAATGACGACGTCTGCAGGAGGCCCTACCGCTGGGTCTGTGAGACAAAGTTG
GATAAGGCTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203849 representing NM_009714
Red=Cloning site Green=Tags(s)

MTKDYQDFQHLNDNDHHQLRRGPPPTPRLLQRLCSGSRLSSSSLSILLVVVCVITSQNSQLREDLL
 ALRQNFSLTVSTEDQVKALSTQGSSVGRKMKLVESKLEKQKDLTEDHSSLLLVKQLVSDVRSLSQCM
 AAFRNGSERTCCPINWVEYEGSCYWFSSSVRPWTEADKYCQLENAHLVVVTSRDEQNFLLQRHMGPLNTW
 IGLTDQNGPWKWDGTDYETGFQNRPEQPDNWWYGHGLGGEDCAHFTTDGRWDDVCRRPYRWVCETKL
 DKAN

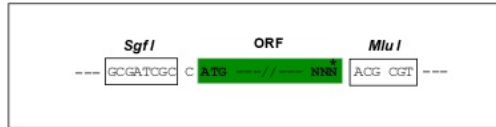
TRTRPLE - GFP Tag - V

Restriction Sites:

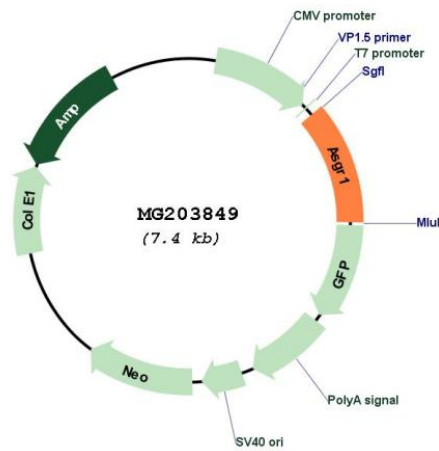
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009714

ORF Size: 852 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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_009714.3
RefSeq Size:	1245 bp
RefSeq ORF:	855 bp
Locus ID:	11889
UniProt ID:	P34927
Cytogenetics:	11 42.98 cM
Gene Summary:	<p>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]</p>