

## Product datasheet for **MG208739**

### Aspscr1 (NM\_026877) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aspscr1 (NM_026877) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aspscr1
Synonyms:	1190006K01Rik; ASPC; ASPCR1; ASPL; ASPS; RCC17; TUG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208739 representing NM\_026877  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCCCGCGGGCGGGGGCTCCGCGGTGTCCGTGCTGGCCCCAACGGCGGGCCACACGG  
 TGAAGGTGACCCGAGCACCCTGCTGCTGCAGGTACTAGAAGACACATGCCGGCGCAAGACTTCAACCC  
 CAGTGAATACGACCTGAAGTTTCAGAGGACGGTCTAGACCTCTCTCCAGTGGAGATTTGCCAACCTG  
 CCTAACATGCCAAGCTGGAGATGGTGCCTGTGTCCCGTAGCCGCGAGGGGCTGAGAACAAGTTCGCA  
 TCGCGTTCCAGCTGGATGACGGCTCCAGGTTGCAGGACGCTTTCTGTTCCCGACAGACTCTCTGGGAGCT  
 TCTCAGCCATTTGCACAGACCAGGGAGCGTCTGCAGCAGCTGGGTGAGAAGACCCTGTCTGCGTGTAC  
 ATGAGGAATGAGGTGACTGGTAGAGCTGCCTTACAGAACAACCCCTTCACTGACTGGCCCTGACAGGTG  
 GTAGTGCCACCATCAGGTTTGCATAAAGCAGTGTGACACCGCCGCAACAGGAGTCCATAGCCGTCAG  
 GAGCAAGGCCCGGAAGTCCGGTCTCCTCCTTGTGACCCGACAGGCATCCAGTAGCACATTGCTTCTCT  
 CTGAACTCTGGGAGTTCAGCAGGGGAGACCTAAACCATGAGGGTGTGCAAAACCTCAGGACCGGCC  
 TTGAGGGTGGCCCCAACCAACGGATGCTCAAACAAGCAAGCACCAGTGGACCTGCATCGGCCCCCTT  
 CGTTCCCTTCTCTGGGGGGGCCAGCGGCTGGGGGCCCTTCTAAGCCCAAGAAGCCAAAGCCTGGTG  
 AGGAGCCCCAGCAGGAGCCTGAACCGCCGTTGACCGAGATCCTGTGGTGTACCACCCTGACCTAGAGGA  
 CTTGCTACAGCCCTGGCCGCGAGAGTGCCTGACGAGTCTTTGAGGTGACTGTGGATGATGTGAGGAGA  
 CGCTTGGCCAGCTCAAGAGTGAAGGAACTGGAACGTTACCCAAAGTGGCTCTGCGGGTCTATTCCCTGACCGCTA  
 CATCCTGCAGGGCTTCTCCGCCCCAGTGAACAGTGGGGGATCTTCGAGACTTTGTTAGGAGCCACCTG  
 GGAACCCCGAGCTCTCCTTTTACCTATTCATCGCTCCACCCAAAATGGTCTGGATGACCACACGCTGA  
 CTCTCTTTAGGCAAACTCTTCCCTGCTGCGCTTGTGCACTTTGGAGCTGAAGAACCAACAGGTCTCTA  
 TCTGGAACCTGGGCTGCTAGAACACACCGTCTCCCATCTACAGCTGATGTGCTGGTGGCCAGGTGATG  
 TCCCGGGCTTCCGGTCCCACTCTGCTGCCAGCCCTGACCCTGTATCCCTGGAGTCTGAGCCAATCG  
 CTGAGGATGGGCACTGGGGCCCCAGAGCCCATCCAAGGACAGCCAGCCTGTGAAGAGAAGCCTGGG  
 CAAAGTACCAAGTGGCTGAAGCTGCCAGCCAGCAAGAGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208739 representing NM\_026877  
 Red=Cloning site Green=Tags(s)

MAAPAGGGGSAVSVLAPNGRRHTVKVTPSTVLLQVLEDTCRRQDFNPSEYDLKFQRTVLDLSLQWRFANL  
 PNNAKLEMVPSRSREGPENIVRIAFQLDDGSRLQDAFCRQTLWELLSHFAQTRERLQQLGEKTPVCVY  
 MRNEVTGRAALQNTTLQSLGLTGGSATIRFVIKQCDTAGKQESI AVRSKAPGSPVSSLADQASSSTLLP  
 LNSGEFSRGLNHEGDANTSGLTGGPKPTDAQTKQSTSEPASAPFVPFSGGGQRLGGPSASLRPLTSP  
 SANSSKFSGPGGSPKPKPKGPEEPQEQEPEPPVDRDPVYHPDLEDLLQPWPAEVPDEFEVTVDVRR  
 RLAQLKSERKRL EEAPLVTKAFREMQKEKLERYPKVALRVLPDRYILQGF FRPSETVGD LRDFV RSHL  
 GNP ELSFYLF IAPPKMVLDDHTLTLFQANL FPAALVHFGAE EPTGLYLEPGLLEHTVSPSTADVLVARCM  
 SRASGSPPLLPAPDPVSLESEPIAEDGALGPPEIQGTAQPVKRS LGKVPKWLKLPASKR

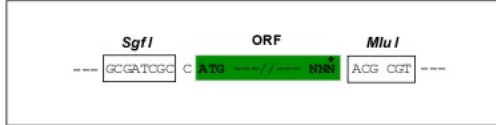
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

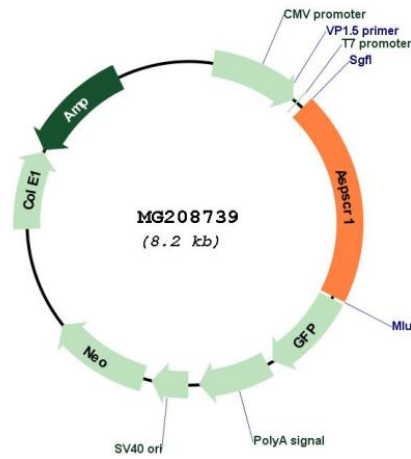
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_026877
<b>ORF Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_026877.2</a>
<b>RefSeq Size:</b>	1816 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	68938
<b>UniProt ID:</b>	<a href="#">Q8VBT9</a>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	Enhances VCP methylation catalyzed by VCPKMT (By similarity). Tethering protein that sequesters GLUT4-containing vesicles in the cytoplasm in the absence of insulin. Modulates the amount of GLUT4 that is available at the cell surface.[UniProtKB/Swiss-Prot Function]