

## Product datasheet for **MR216345**

### Aspscr1 (NM\_198223) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aspscr1 (NM_198223) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aspscr1
Synonyms:	1190006K01Rik; ASPC; ASPCR1; ASPL; ASPS; RCC17; TUG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR216345 representing NM\_198223  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCCCGCGGGCGGGGGCTCCGCGGTGTCCGTGCTGGCCCCAACGGGCGGCCACACGG  
 TGAAGGTGACCCGAGCACCGTCTGCTGCAGGTACTAGAAGACACATGCCGCGGCAAGACTTCAACCC  
 CAGTGAATACGACCTGAAGTTTCAGAGGACGGTCTAGACCTCTCTCCAGTGGAGATTTGCCAACCTG  
 CCTAACATGCCAAGCTGGAGATGGTGCCTGTGTCCCGTAGCCGCGAGGGGCTGAGAACAAGTTCGCA  
 TCGCGTTCCAGCTGGATGACGGCTCCAGGTTGCAGGACGCTTTCTGTTCCCGACAGACTCTCTGGGAGCT  
 TCTCAGCCATTTGCACAGACCAGGGAGCGTCTGCAGCAGCTGGGTGAGAAGACCCTGTCTGCGTGTAC  
 ATGAGGAATGAGGTGACTGGTAGAGCTGCCTTACAGAACAACCCCTCAGTCACTGGGCCTGACAGGTG  
 GTAGTGCCACCATCAGGTTTGTATAAAGCAGTGTGACACCGCCGCAACAGGAGTCCATAGCCGTCAG  
 GAGCAAGGCCCGGAAGTCCGGTCTCCTCCTTGTGACCCGACAGGCATCCAGTAGCACATTGCTTCTCT  
 CTGAACTCTGGGAGTTCAGCAGGGGAGACCTAAACCATGAGGGTGTGCAAAACCTCAGGGACCGGCC  
 TTGAGGGTGGCCCCAACCAACGGATGCTCAAACAAGCAAGCACCAGTGGACCTGCATCGGCCCCCTT  
 CGTTCCCTTCTCTGGGGGGGCCAGCGGCTGGGGGGCCGCTGCGTCTTGGAGCTCTAACATCACCT  
 TCGGCCAATTCATCCAAGTCTTCTCTGGCCCTGGGGGCCCTTCTAAGCCCAAGAAGCCAAAGCCTGGTG  
 AGGAGCCCCAGCAGGAGCCTGAACCGCCGTTGACCGAGATCCTGTGGTGTACCACCCTGACCTAGAGGA  
 CTTGCTACAGCCCTGGCCGCGAGAGTGCCTGACGAGTCTTTGAGGTGACTGTGGATGATGTGAGGAGA  
 CGCTTGGCCAGCTCAAGAGTGAAGGAACTGGAACGTTACCCAAAGTGGCTCTGCGGGTCTATTCCCTGACCGT  
 AGGCTCAGATGAAGGAGAACTGGAACGTTACCCAAAGTGGCTCTGCGGGTCTATTCCCTGACCGT  
 CATCCTGCAGGGCTTCTCCGCCAGTGAAGACAGTGGGGATCTTCGAGACTTTGTTAGGAGCCACCTG  
 GGAACCCCGAGCTCTCCTTTTACCTATTCATCGCTCCACCCAAAATGGTCTGGATGACCACACGCTGA  
 CTCTCTTTAGGCAAACTCTTCCCTGCTGCGCTTGTGCACTTTGGAGCTGAAGAACCAACAGGTCTCTA  
 TCTGGAACCTGGGCTGCTAGAACACACCGTCTCCCATCTACAGCTGATGTGCTGGTGGCCAGGTGATG  
 TCCCGGGCTTCCGGTCCCACCTCTGCTGCCAGCCCTGACCCTGTATCCCTGGAGTCTGAGCCAAATCG  
 CTGAGGATGGGCACTGGGGCCCCAGAGCCATCCAAGGGACAGCCAGCCTGTGAAGAGAAGCCTGGG  
 CAAAGTACCAAGTGGCTGAAGCTGCCAGCCAGCAAGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216345 representing NM\_198223  
 Red=Cloning site Green=Tags(s)

MAAPAGGGGSVSVLAPNGRRHTVKVTPSTVLLQVLEDTCRRQDFNPSEYDLKFQRTVLDLSLQWRFANL  
 PNNAKLEMVPSRSREGPENIVRIAFQLDDGSRLQDAFCRQTLWELLSHFAQTRERLQQLGEKTPVCVY  
 MRNEVTGRAALQNTTLQSLGLTGGSATIRFVIKQCDTAGKQESI AVRSKAPGSPVSSLADQASSSTLLP  
 LNSGEFSRGDLNHEGDANTSGLTGGPKPTDAQTKQSTSEPASAPFVFPFSGGGQRLGGPSASLRPLTSP  
 SANSSKFSGPGGSPKPKPKGPEEPQPEPPVDRDPVYHPDLEDLLQPWPAEVPDEFFEVTVDDVRR  
 RLAQLKSERKRLEEAPLVTKAFREAQMKELERYPKVALRVLPDRYILQGFVRPSETVGDRLRDFVRS  
 GNPELSFYLFIAAPPKMLDDHTLTLFQANLFPAAALVHFGAEEPTGLYLEPGLLEHTVSPSTADVLV  
 ARCM SRASGSPPLLPAPDPVLSLESEPIAEDGALGPPEPIQGTAPVKRSLGKVPKWLKLPASKR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

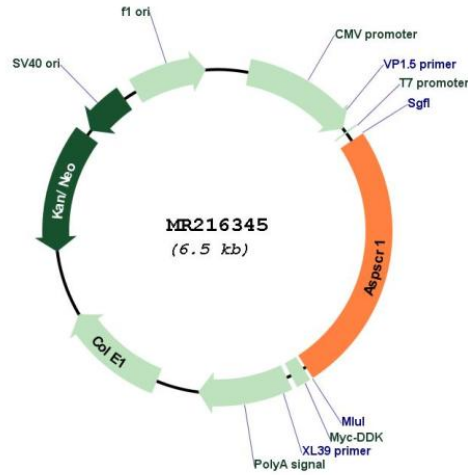
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_198223
<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 Size:</b>	1651 bp
<b>RefSeq ORF:</b>	1422 bp
<b>Locus ID:</b>	68938
<b>UniProt ID:</b>	<a href="#">Q8VBT9</a>
<b>Cytogenetics:</b>	11 E2
<b>MW:</b>	51.8 kDa
<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]