

## Product datasheet for MR205389

### Mtch1 (BC027274) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mtch1 (BC027274) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mtch1
Synonyms:	C77849, PSAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR205389 representing BC027274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGGAGCCGGAGCTGGTGCAGGAGCTCGGGCGGGCGCCGGCCGGAGTCGAGGCCCGCGCTCGGG  
ACCCGCCACCCGCGCACCAGCGCGCACCCCTCGCCATCCTCGGCCCGGGCTCAGCCGTCGGCGCGCAGGAT  
GGACGGCGGGCCCGGGCGCCCGGGCTCCGGGGACAACGCCCGACACCGAGGCGCTGTTGCTGGCGCTG  
GGCGCGGGCGTGACGGCTCTCAGTCACCCGCTGCTCTACGTGAAGCTGCTGATCCAGGTGGGTGATGAGC  
CGATGCCCCCCACCCCTGGGACCAATGTGCTGGGGAGGAAGTCTCTACCTGCCGAGCTTCTTACCTA  
TGCCAAGTACATTGTGCAGGTGGATGGGAAGATAGGGCTCTTCCGGGGCCTGAGCCCCCGCCTTATGTCC  
AACGCCTGTCCACTGTGACCCGCGGCAGCATGAAGAAGTTCCTCCAGATGAGATGGAGCAGGTTT  
CCAACAAGGACGACATGAAGACCTCACTCAAGAAAGTTGTGAAGGAGACATCGTATGAGATGATGATGCA  
GTGTGTATCGCGAATGCTGGCCATCCCTTACACGTGATCTCGATGCGATGCATGGTGCAGTTTGTGGGA  
CGGGAGGCCAAGTACAGTGGTGTGCTGAGTTCTATTGGGAAGATCTTCAAGGAAGAGGGGCTGCTGGGAT  
TCTTCGTTGGCTTAATCCCTCACCTCCTGGGCGATGTGGTTTTCTGTGGGGCTGTAACCTGCTGGCCCA  
CTTCATCAATGCCTACTTGGTGGACGACAGCTTTAGCCAGGCCCTGGCCATCCGGAGCTACACCAAGTTT  
GTGATGGGATTGCAGTGAAGTGTGCTGACCTACCCCTTCTGCTCGTTGGAGATCTCATGTCAGTGAACA  
ACTGTGGGCTGCGGGCTGGACTCCCTCCGATTTCCCTGTGTTCAAGTCTGGATCCACTGCTGGAAGTA  
CCTGAGTGTGCAGGGCCAGCTCTCCGCGGCTCCAGCCTGCTTTTCCGCCGGGTGTATCGGGGTGATGC  
TTTGCCCTGGAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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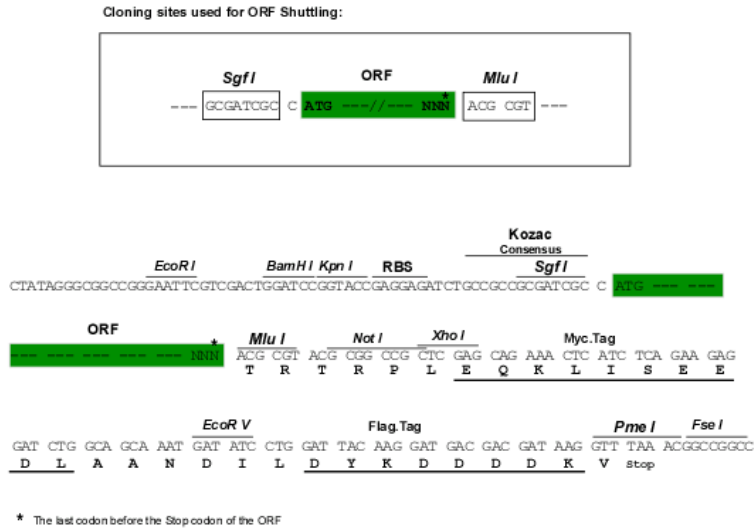
**Protein Sequence:** >MR205389 representing BC027274  
 Red=Cloning site Green=Tags(s)

MAGAGAGAGARGGAPAGVEARARDPHPAHRHPRPAAQPSARRMDGGPGAPGSGDNAPTTEALFVAL  
 GAGVTALSHPLL YVKLL IQVGHEPMPPTLGTNVLGRKVL YLPSFFTYAKYIVQVDGKIGLFRGLSPRLMS  
 NALSTVTRGSMKKVFPPEMEQVSNKDDMKTSLKVVVETSYEMMMQCVSRMLAHLVISMRCMVQFVG  
 REAKYSGVLS SIGIKIFKEEGLLGFVGLIPHLLGDVVFLWGCNLLAHFINAYLVDDSFSQLAIRSYTKF  
 VMGIAVSMLTYPFLLVGDLMAVNNCGLRAGLPPYSPVFKSWIHCWKYLSVQQLFRGSSLLFRRVSSGSC  
 FALE

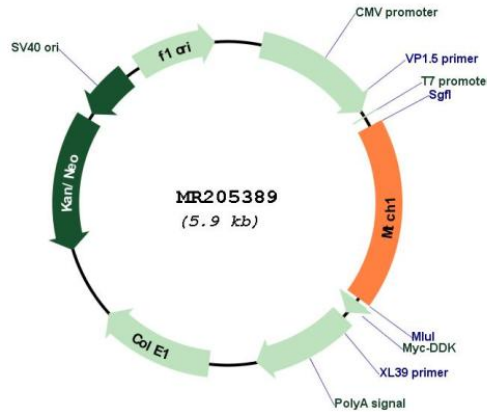
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC027274

<b>ORF Size:</b>	1062 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="#">BC027274.1</a>
<b>RefSeq Size:</b>	1771 bp
<b>RefSeq ORF:</b>	1064 bp
<b>Locus ID:</b>	56462
<b>Cytogenetics:</b>	17 A3.3
<b>MW:</b>	64.9 kDa
<b>Gene Summary:</b>	Potential mitochondrial transporter. May play a role in apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]