

## Product datasheet for **RR208757**

### Mov10 (NM\_001107711) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mov10 (NM_001107711) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mov10
Synonyms:	Capza1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208757 representing NM_001107711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCAGCAAGTTCAGCTGCCGAAAGCTCCGGGAGACCGCCAGGGTTCGAGAGTTTCTGGCCGAAC  
GGGACTGGACCTGGAGACAGATCGCGAGCGGCTGCGGGCGATTACAACCGCGACTTCAAGCCCAGCTA  
TGGGACCCCCGCCCTGGCTTCTCTCCATGCTGTACGGAATGAAGATCGCTAATCTGGCCTTCGTACC  
AAGACTCGGGTCAGGTTCTTCAAAGTGGACCGCTGGGCTGATGTGCAACTACCAGAAAAGCGGCGATAA  
AGCCAGGGTTCGAGCATCAGCAAACAGCACAGATCCCTGCTGGCCAGAATCTTCCATGACAGGGCTGAGTA  
TCTTATGAAAGCATGGGGTGGATGTGGAGGTCCAGGGGCCCATGAAGCCCGGGATGGGCAGCTCCTT  
ATCCGCTGGATTTGAACCGCAAGGAGGTCTAACCTACGGCTGCGGAACGGAGGGACCAAGCCTGTCA  
CCCTCACTCATCTGTTCCCACTGTGCTGGACACCCAGTTTGTCTTACCATGGGGAACAGGACCTGCC  
CTGCCACTGGGCCAGGTGAAAGCTATGAACTTCACTGTCTACTGTAAGACAAGCATTGTGGTTACTTC  
CCAGCCACTGTCTCTGGAACTTCTGGGACCAGGGGAGTCCGGAGCAGAAGGAGCAGAAACCTTCTACA  
TTGCCCGTTCCTGGCTGCTGTCGCCACAGCCCTGGCTGCACAGTTGAAACCCACAACCTCCCTTCAA  
ACGCCCCCTCGGCTCACTAGAAACCTGTCTCAACCAACCGGATAGAGGAAGGAGAGAGCCCGGACCGA  
GCCAAGGGTTATGAACTAGAGCTAAGTTTGGCCCTGGGGACCTATTACCCACCCATCCGCTCCGACAAC  
TGCTCCCTACCCTTCTCAGGGACCAAGTATCTTACGTCACCAAGGAAGTTGCTGAGATCAAGGCCCA  
GTTGGAGACAACCTGAAATCCAGGAAGTATGAGGTGAAGCTCCGACTGCTGCTGCACCTGGAGGAGCTG  
CAAATGGAGCATGACATCCGGCACTATGACCTGGAGTCCGTACCCATGACCTGGGACCTGTGGACCAGA  
ATCCCAGGCTGCTCACACTGGAGTTCTGGTGTGACAGAGAGCCGTCCCTCAGTGTACGGGTGACCA  
CCTTTTGGCCCTGTTGCTCTGAGATCCAACAGGAGGACCTGTACCTACAAGGGTTTCGTGCACAAG  
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TCAAGGTGAACCTTACCTTCAACCGCCAGCCCTTCGGGTCCAGCACCGTGCCTAGAGTTGACGGGGCG  
CTGGGTGCTATGGCCACGCTTTTTCTGTGGCCTCCCGTGGGGTCTCGCTGCTGCCCTCAGATGTGAAG  
TTCAAGCTGTATGATCGGAGTCTGGAGTCAAACCCAGAGCAGCTGCAGGCCATGAAGCACATTGTGAGGG



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GCACCACCCGGCCCGCCCTACATCATCTTTGGGCTCCAGGTACCGGCAAGACTGTCACATTAGTGGA  
 GGCCATCAAGCAGGTAGTGAAGCACTTGCCCAAAGCCACATCCTGGCCTGCACTCCATCCAACCTCAGGG  
 GCTGACCTCCTGTGTGACGCGCTCCGGTCCACCTGCCAGCTCCATCTATCGCCTCCTGGCCCCAGCA  
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 GTGTCAGCCCAGTTTCCCATCGATCACTTCACACACATCTTCATCGATGAGGCTGGCCACTGCATGGAGC  
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 ACCCGGGCCAAGGCTCTGCTCATTGTAGTGGGCAACCCCTCCTCCTAGGCCACGACCCGGACTGGAAAA  
 CATTCTGGAGTTCTGTAAGAAAAATGGGGTTACACCGGATGCCCTTTCTGCCAACTGGACCTGCA  
 GCAGGGACAGGACTTGTCCAAGGTCTGAGCAAACCTCAGCCCCTACCTCAGGGCCCCGGCTCACCAG  
 CGTCTCCCCAGGAGCGGAGGGTGAAGAGGGCTGCCCTTACAAGTAGAGCCAGAGTGGAGAAATGAGC  
 TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208757 representing NM\_001107711  
 Red=Cloning site Green=Tags(s)

MPSKFSRKLRETGQGFESFLAERGLDLETDRERLRAIYNRDFKPSYGTAPPGFSSMLYGMKIANLAFVT  
 KTRVRFKFLDRWADVQLPEKRRIKPGSSISKQHRSLARIFHDRAEYLHGKHGVDVEVQGPHEARDGQLL  
 IRLDLNRKEVLTLLRNGGTPVTLTHLFLCWTPQFVYHGEQDLPCPLGPGESYELHVYCKTSIVGYF  
 PATVLWELLGPGESGAEGAETFYIARFLAAVAHSPLAAQLKPTTFFKRPPRLTRNPVSTNRIEEGERPDR  
 AKGYELELSLALGTYPPIRLRQLLPTLLQGSPISFTSPKEVAEIKAQLETTLKSRYEVKLRLLHLEEL  
 QMEHDIRHYDLESVPMWDPVDQNPRLTLEVPGVTESRPSVLRGDHLLFALLSSEIQQEDPVYKGFVHK  
 VELDRVKLSFSPSLLSRFVDGLTFKVNFTFNRQPLRVQHRALELTGRWVWPTLFPVASRGSLLPSDVK  
 FKLDRSLESNPEQLQAMKHIVRGTTTPAPYIIFGPPGTGKTVTLVEAIKQVVKHLPKAHILACTPSNSG  
 ADLLCQRLRVHLPSSIIYRLLAPSRDIRMVPEDIKTCCNWDPKKGEYVYPAKKHLQYRVLITTLITASRL  
 VSAQFPIDHFTHFIDEAGHCMEPESLVAIAGLMDVKETGNPQQQLVLAGDPRQLGPVLRSPLAQKHGLG  
 YSLLERLLTYNSLYKKGPNGYDPQFITKLLRNYSHTILDIPNQLYYDGELQACADVDRERFCRWEGL  
 PQQGFPIIFHGMGKDEREGNSPFFNPEEAATVTSYLRQLLAPSSKKGKARLSPRSVGI SPYRKQVEK  
 IRYCITKLDRELRLDDIKDLKVGSVVEEFQGGERSVILISTVRSSQSFVQLDLDFNLGFLKNPKRFNVAV  
 TRAKALLIVVGNPLLLGHDPDWKTFLEFCCKENGGYGCPPAKL DLQGGQDLLQGLSKLSPSTSGPRRHQ  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

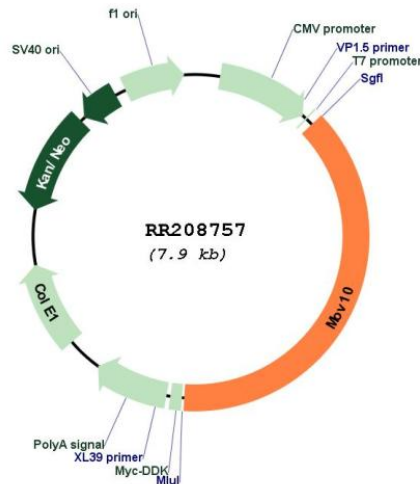
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107711

ORF Size: 3012 bp

OTI Disclaimer: 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>	<u><a href="#">NM_001107711.1</a></u> , <u><a href="#">NP_001101181.1</a></u>
<b>RefSeq Size:</b>	3781 bp
<b>RefSeq ORF:</b>	3015 bp
<b>Locus ID:</b>	310756
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	113.8 kDa