

## Product datasheet for **MR210199**

### Prep (NM\_011156) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prep (NM_011156) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prep
Synonyms:	AI047692; AI450383; D10Wsu136e; PEP; Pop
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210199 representing NM\_011156  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGTCTTCCAGTACCCGACGTGTACCGCAGCAGACCTCCGTGCAGGAGTATCATGGACATAAAA  
 TTTGTGACCCGATTCTTGGCTTGAAGACCCAGACAGCAGCAGACTAAGGCTTTCGTGGAGGCACAAAA  
 CAAGATTACTGTGCCATTTCTTGAACAATGTCCAATCAGAGGTTTATAACAAGGAGAGAATGACTGAGCTG  
 TACGACTACCCCAAGTACAGCTGCCACTTCAAGAAAGGAAAGCGGTACTTTTATTTTACAATACAGGTT  
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 CACTGTGCGATGATGGTACAGTGGCACTCCGAGGTTATGCCTTCAGTGAAGATGGCGAATACTTTGCC  
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 TCCCGGATGTGCTGGAGAGAGTCAAGTTCACCTGCATGGCCTGGACGCATGACGGGAAGGGAATGTTCTA  
 TAACTCATACCCGACGACGAGCGGAAGAGCGATGGCACAGAGACATCCACCAATCTCCACAAAAGCTC  
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 CATCAAGGAAGGTTACACATCTCCAAGAGGCTCAGATCAACGGAGGCTCCAACGGCGGCTCTTAGTA  
 GCTGCTTGGCAAATCAGCGTCCAGACCTCTTCCGCTGTGTTATTGCCAGGTTGGAGTGTGACATGT  
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 GGCCGGCCACGGGGCCGGGAAACCCACCGCCAAGTGATAGAAGAAGTCTCGGATATGTTTGCCTTCATA  
 GCACGGTGCCTGAACATCGAGTGGATCCAG

**AGCGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210199 representing NM\_011156  
 Red=Cloning site Green=Tags(s)

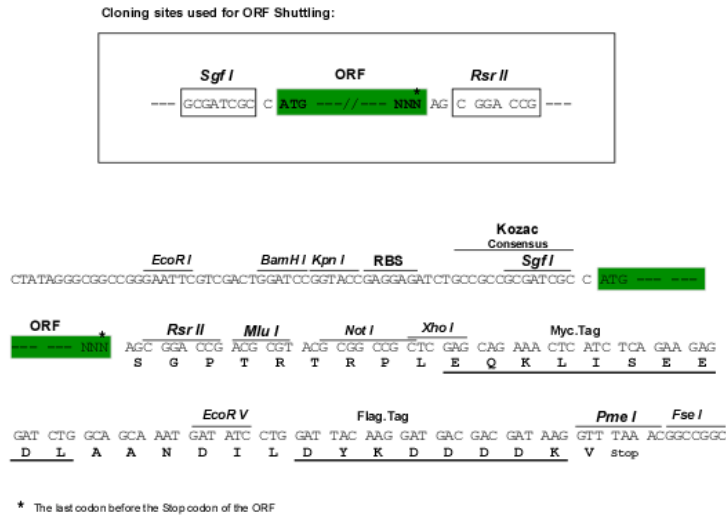
MLSFQYPDVYRDETSVQEYHGHIKIDPYSWLEDPDSEQTKAFVEAQNKITYVVFLEQCPVIRGLYKERMTEL  
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 YGLSASGSDWVTIKFMKVDGAKELPDVLERVKFTCMAWTHDGKGMFYNSYPQQDGKSDGTETSTNLHQKL  
 CYHVLGTDQSEDILCAEFPDEPKWMGGAELSDDGRYVLLSIWEGCDPVNRLWYCDLQQEPNGITGILKWW  
 KLIDNFEGEYDYVTNEGVTFVTFKTRNRSNPYRLINIDFTDPDESKWVLPVEHEKDVLEWVACVRSNFLV  
 LCYLHDVKNILQLHDLTTGALLKTFPLDVGSVVGYSGRKKDSEIFYQFTSFLSPGVYIHCDLTKEELEPM  
 VFREVTYKVIDAADYQTIQIFYPYKDGTKIPMFIVHKKGIKLDGSHPAFLYGGGFNISITPNYSVSRIL  
 FVRHMGVAVANIRGGGEYGETWHKGGILANKQNCDFDQCAAAYLKEGYTSPKRLTINGGSSNGLLV  
 AACANQRPDLFQCVIAQVGVMDMLKFHKFTIGHAWTTDYGCSDTKQHFELLKYSPLHNVKLEADDIQY  
 PSMLLLTAHDDRVPVPLHSLKF IATLQYIVGRSRKQSNPLLIHVDTKAGHGAGKPTAKVIEEVSDMFAFI  
 ARCLNIEWIQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9046\\_b12.zip](https://cdn.origene.com/chromatograms/mm9046_b12.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_011156

**ORF Size:** 2130 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](#)

**OTI Annotation:** 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_011156.3</a></u>
<b>RefSeq Size:</b>	2768 bp
<b>RefSeq ORF:</b>	2133 bp
<b>Locus ID:</b>	19072
<b>UniProt ID:</b>	<u><a href="#">Q9QUR6</a></u>
<b>Cytogenetics:</b>	10 23.27 cM
<b>MW:</b>	81.2 kDa
<b>Gene Summary:</b>	Cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long.[UniProtKB/Swiss-Prot Function]