

## Product datasheet for **MR216732**

### Prom2 (NM\_138750) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prom2 (NM_138750) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prom2
Synonyms:	A1507243; Prom-rp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216732 representing NM\_138750  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGCGCTCACCCGGCCTCATGGTGCCCTGCTGGCCTGAGCCTGGGACTGGCCTGAGCCTGCCCC  
 AAGCTGTGACAGACGACTGCGGGTCCCTCGGGCGCGTGGAGCACCTGGCATTGCTCGGGTGCCAGGAC  
 ACGAGAGCTGGCCCTCTTGTTCGCGCGTCGGGGCCCTGAACTCCCTCTATGGACCGTGCACGATTC  
 CTCTCCGTGGTTCAACTAACCCTTCCCGCAGAGTTGATAAAGACCCTGCTGAATGACCCATCTTCTG  
 TGAAGACAGATGAGGTGGTTCGATATGAGGCAGGCTACGTGGTGTGTGCTGTGATTGCTGGCCTACCT  
 CCTATTGGTGCCCATCACTGGGCTGCTTCTGTTGCTGTCGCTGCCGCCAGCGCTGTGGGGCAGAGTG  
 AAGACGGAGCACAAGCCATGGCCTGTGAACGTGGTACCCTCATGATCTTCTGCTGCTGACCACCCTCG  
 TGCTTCTGATTGGTATGGTCTGTGCTTTTGTACAAACCAACACACATAGTCAGACGGGGCCAGTGT  
 GAAAGCTGTCCTGAGACCCTGCTCAGCCTAAGAGGCCTGGTCTCTGATGTCCTGAAGAGCTGCGGGCC  
 ATTGCTGAGCAGTTCTCTGTGCCTCAGAAGCAAGTCTCAAAGGAGCTGGATGGTGTGGTGAAGACCTTG  
 GGAACGTAATTCATAACCGGCTCAAGAGCACAGTGTACCCAGTGCTAGCCTCAGTGCACAGCCTGGGCCA  
 GGCCCTGCAGGTCTCATAGACCACCTTCGAGCCCTGAACACCACCTCAGTGGAGCTGCAGGAGGCTCAG  
 CGGCACCTGGAGCCACCTGTGCAGGCGCACCGGGAACGCTGCTCGCCCTGCTTCAGGACAGCTGGTGCC  
 ACGAGGAGAATTGCAAGCGGGTGTCTCAGCCAGGCGCGTCTGCAACTGGGCGCTGACTTTAGCCAGAC  
 GCCCCCTGTGGATGATGTCTGCATCGGCTGAAGGATGTCCAGAAACCAACTTCTCCAGCATGGTCCAG  
 GAGGAAAAGCCACCTTCAATAACCTCCCGCTCCTGGTTCAAGTGCAGGCGGTGAGTGGTCAAAGATG  
 TGAAAAAGGCACTGGCTGAGCAGCCTGAAGGGTTGAGGATGCTGGCCCAAGCGTTCAGGTTGAGAGTG  
 AGCCTCCCGCTGGAGCCAGGCACTGGAGGGGCTGGAACAGCGCAGCCGCCCTACTTGCAGGAGGTGCAA  
 CAATATGAGACATACAGGTGGATTTTGGGATGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG  
 ACCTGCTGGGCTCAGCCTGGGCATCTGGGGTGTGTTGCCAGGGAGGACCCAGCCACTCTGAAACCAA  
 GGGCGAGGCTGGAGCCCGCTCCTCATGGCAGGTGTGGCCTTCAGCTTCTCTTCGCAGTCCCCCTCATC  
 CTCCTCGTCTTCGTCACCTTCTGGTGGTGGCAATGTGCAGACGCTGGTGTGCCGAGCTGGGAGAGTG  
 GAGAGCTGTATGAGTTTGCAGACACTCCGGGAACTTGCCACCATCCATGAACCTATCCTATCTTCTTGG  
 CCTGAAGAAAAACATCAGCATCGTCCAGGCCTATCGACAGTGTAAAGCAGGGGCACTCTGGAAGGTT  
 CTACAGCTCAATGACTCGTATGACTGGATAAGCACCTGGATATCAAACAGTATACCCACAAGATTCAGC  
 AGGAGCTTCAGAGCTCCAAGTAGATTTGAAGGAGCTAGACCTGTTGAGCCCCACTGCCCGCCAGGACCT  
 GGAGGCTTTGAGAGGAGCGGGCTGGAGAAAATCCACTACAGAGGCTTCCTTGTGCAGATCCAGAAGCCT  
 GTGGTGAACACTGACATGTGGCAGCTGGCGCAGGAGCTGGAAGGACTGGCCAGGCCAAAATGACTCTT  
 TACTGAGGCAGCAGCTACGGGAGGAGGCCAGAGAACTTCGAAGCCTTACCAGGAGAAGGTTGTCCCCCA  
 GGAGAGCCTTGTGACCAAGCTCAACTTCAGTGTCAAGACCTTGGAGTCTTGGCCCAAGTCTGCAGGTG  
 AATACCTCAGACTTTCTTGACAGTGTCACTCGTCTAAAAGGAGAGCTGCCTGTGCAGATCAACCACATCC  
 TGAGGAATGCCACTGAGTGTTCCTGACCAGGAAATGGGCTACTTCTCTCAGTATGTGACCTGGGTGAG  
 AGCAGAGGTGACTCAGCGCATCGCCACCTGCCAGCCCTTCTCTACAGCCCTGGACAATGGTCATGTGATC  
 CTGTGTGACATGATGGCTGACCCCTGGAACGCCTTCTGGTTTTGCCTGGGGTGGTGCACCTTCTTCTCA  
 TCCCCAGCATCATCTTCTGCTGTCAAGACCTCCAAGTACTTCCGTCCCATCCGAAACGCCTCAGCTCCAC  
 CAGCTCTGAAGAGACACAACCTTTCCATATCCCCAGGGTACCTCTCTGAAGCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216732 representing NM\_138750  
Red=Cloning site Green=Tags(s)

MTRSPGLMVPLLGLSLGLALSLPEAVTDDCGSLGRVEHLAFARVPRTRELAPLVRASGPLNSLYGTVRRF  
LSVVQLNPFPAELIKTLLNDPSSVKTDEVVRYEAGYVVCVAVIAGLYLLLVPITGLCFCCRCRQRCGGRV  
KTEHKAMACERGTLMIFFLLTTLVLLIGMVCAFATNQHTHSQTGPSVKAVPETLLSLRGLVSDVPEELRA  
IAEQFSVPQKQVSKELDGVGENLGNVIHNRKSTVYPVLASVHSLGQALQVSDHLRALNTTSVELQEAQ  
RHLEPPVQAHRRERLLALLQDSWCHEENCKRVLSQAGALQLGADFSQTTPVDDVLHRLKDV PETNFSMVQ  
EEKATFNLLPLL VQVAVSVVKDVKKALAEQPEGLRMLAQAFPGSEAA SRWSQALEGLEQSRPYLQEVQ  
QYETYRWILGCVLCSAILLVVICNLLGLSLGIWGLFAREDPSHSETKGEAGARLLMAGVAFSFLFAVPLI  
LLVVFVTLVGGNVQTLVCRSWESGELYEFADTPGNLPPSMNLSYLLGLKKNISIVQAYRQCKAGAVLWKV  
LQLNDSYDLDKHLDIKQYTHKIQQELQSFQVDLKDLDLLSPTARQDLEALQRSGLEKIHRYGFLVQIQKP  
VVNTDMWQLAQELEGLAQONDSLLRQQLREEARELRSLYQEKVVPQESLVTKLNFSVKTLESLAPSLQV  
NTSDFLDSVTRLKGELPVQINHILRNATECFL TREMGYFSQYVTWVRAEVTQRIATCQPFSTALDNGHVI  
LCDMMADPWNAFWFCLGWCTFFLIPSIIFAVKTSKYFRPIRKRLSSTSSEETQLFHIPRVTSKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9003\\_g03.zip](https://cdn.origene.com/chromatograms/mm9003_g03.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_138750

**ORF Size:** 2505 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.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_138750.2](#), [NP\\_620089.2](#)

**RefSeq Size:** 4266 bp

**RefSeq ORF:** 2508 bp

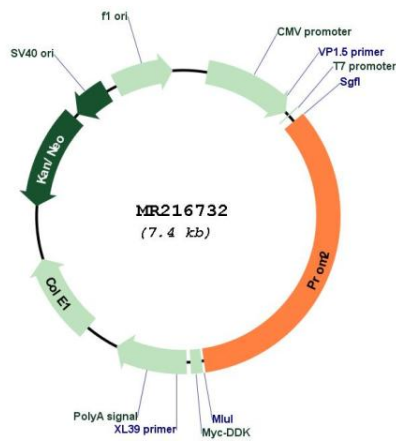
**Locus ID:** 192212

**UniProt ID:** [Q3UUY6](#)

**Cytogenetics:** 2 F1

**MW:** 93.7 kDa

**Product images:**



Circular map for MR216732