

Product datasheet for **MG216732**

Prom2 (NM_138750) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prom2 (NM_138750) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prom2
Synonyms:	A1507243; Prom-rp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216732 representing NM_138750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCGCTCACCCGGCCTCATGGTGCCCTGCTGGCCTGAGCCTGGGACTGGCCTGAGCCTGCCCC
 AAGCTGTGACAGACGACTGCGGGTCCCTCGGGCGCGTGGAGCACCTGGCATTGCTCGGGTGCCAGGAC
 ACGAGAGCTGGCCCTCTTGTTCGCGCGTGGGGCCCTGAACTCCCTCTATGGACCGTGCACGATTCT
 CTCTCCGTGGTTCAACTAACCCCTTCCCGCAGAGTTGATAAAGACCCTGCTGAATGACCCATCTTCTG
 TGAAGACAGATGAGGTGGTTCGATATGAGGCAGGCTACGTGGTGTGTGCTGTGATTGCTGGCCTCTACCT
 CCTATTGGTGCCCATCACTGGGCTGCTTCTGTTGCTGTCGCTGCCGCCAGCGCTGTGGGGCAGAGTG
 AAGACGGAGCACAAGCCATGGCCTGTGAACGTGGTACCCTCATGATCTTCTGCTGCTGACCACCCTCG
 TGCTTCTGATTGGTATGGTCTGTGCTTTTGTACAAACCAACACACATAGTCAGACGGGGCCAGTGT
 GAAAGCTGTCCTGAGACCCTGCTCAGCCTAAGAGGCCTGGTCTCTGATGCCCTGAAGAGCTGCGGGCC
 ATTGCTGAGCAGTTCTCTGTGCCTCAGAAGCAAGTCTCAAAGGAGCTGGATGGTGTGGTGAAGACCTTG
 GGAACGTAATTCATAACCGGCTCAAGAGCACAGTGTACCCAGTGCTAGCCTCAGTGCACAGCCTGGGCCA
 GGCCCTGCAGGTCTCATAGACCACCTTCGAGCCCTGAACACCACCTCAGTGGAGCTGCAGGAGGCTCAG
 CGGCACCTGGAGCCACCTGTGCAGGCGCACCGGAAACGCTGCTCGCCCTGCTTCAGGACAGCTGGTGCC
 ACGAGGAGAAATGCAAGCGGGTGTCTCAGCCAGGCGCGTGTGCAACTGGGCGCTGACTTTAGCCAGAC
 GCCCCCTGTGGATGATGTCTGCATCGGCTGAAGGATGTCCAGAAACCAACTTCTCCAGCATGGTCCAG
 GAGGAAAAGCCACCTTCAATAACCTCCCGCTCCTGGTTCAAGTGCAGGCGGTGAGTGGTCAAAGATG
 TGA AAAAGGCACCTGGCTGAGCAGCTGAAGGGTTGAGGATGCTGGCCCAAGCGTTCAGGTTGAGAGG
 AGCCTCCCGCTGGAGCCAGGCACTGGAGGGGCTGGAACAGCGCAGCCGCCCTACTTGCAGGAGGTGCAA
 CAATATGAGACATACAGGTGGATTTGGGATGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTA
 ACCTGCTGGGCTCAGCCTGGGCATCTGGGGTGTGTTGCCAGGGAGGACCCAGCCACTCTGAAACCAA
 GGGCGAGGCTGGAGCCCGCTCCTCATGGCAGGTGTGGCCTTCAGCTTCTCTTCGACGTCCTCCATC
 CTCCTCGTCTTCGTCACCTTCTGGTGGTGGCAATGTGCAGACGCTGGTGTGCCGAGCTGGGAGAGTG
 GAGAGCTGTATGAGTTTGCAGACACTCCGGGAACTTGCACCATCCATGAACCTATCCTATCTTCTTGG
 CCTGAAGAAAAACATCAGCATCGTCCAGGCCTATCGACAGTGTAAAGCAGGGGAGTACTCTGGAAGTT
 CTACAGCTCAATGACTCGTATGACCTGGATAAGCACCTGGATATCAAACAGTATACCCACAAGATTCAGC
 AGGAGCTTCAGAGCTCCAAGTAGATTTGAAGGAGCTAGACCTGTTGAGCCCCACTGCCCGCCAGGACCT
 GGAGGCTTTGCAGAGGAGCGGGCTGGAGAAAATCCACTACAGAGGCTTCCTTGTGCAGATCCAGAAGCCT
 GTGGTGAACACTGACATGTGGCAGCTGGCGCAGGAGCTGGAAGGACTGGCCAGGCCAAAATGACTCTT
 TACTGAGGCAGCAGCTACGGGAGGAGGCCAGAGAACTTCGAAGCCTTACCAGGAGAAGGTTGTCCCCCA
 GGAGAGCCTTGTGACCAAGCTCAACTTCAGTGTCAAGACCTTGGAGTCTTGGCCCAAGTCTGCAGGTG
 AATACCTCAGACTTTCTTGACAGTGTCACTCGTCTAAAAGGAGAGCTGCCTGTGCAGATCAACCACATCC
 TGAGGAATGCCACTGAGTGTTCCTGACCAGGAAATGGGCTACTTCTCTCAGTATGTGACCTGGGTGAG
 AGCAGAGGTGACTCAGCGCATCGCCACCTGCCAGCCCTTCTCTACAGCCCTGGACAATGGTCATGTGATC
 CTGTGTGACATGATGGCTGACCCCTGGAACGCCTTCTGGTTTTGCCTGGGGTGGTGCACCTTCTTCTCA
 TCCCCAGCATCATCTTCTGCTGTCAAGACCTCCAAGTACTTCCGTCCTCCGAAACGCCTCAGCTCCAC
 CAGCTCTGAAGAGACACAACCTTTCCATATCCCCAGGGTACCTCTCTGAAGCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

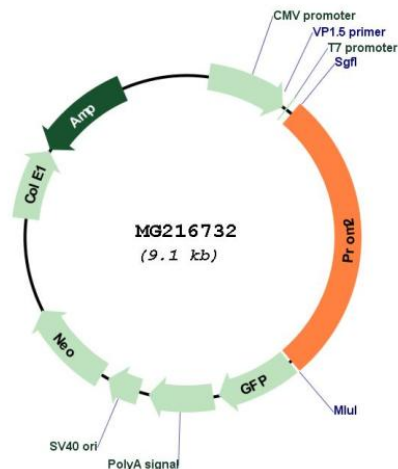
Protein Sequence: >MG216732 representing NM_138750
 Red=Cloning site Green=Tags(s)

```
MTRSPGLMVPLLGLSLGLALSLPEAVTDDCGSLGRVEHLAFARVPRTRELAPLVRASGPLNSLYGTVRRF
LSVVQLNPFPAELIKTLLNDPSSVKTDEVVRYEAGYVVCVAVIAGLYLLLVPITGLCFCCRCRCRCGGRV
KTEHKAMACERGTLMIFFLLTTLVLLIGMVCAFATNQHTHSQTGPSVKAVPETLLSLRGLVSDVPEELRA
IAEQFSVPQKQVSKELDGVGENLGNVIHNRKSTVYPVLASVHSLGQALQVSIHDLRALNTTSVELQEAQ
RHLEPPVQAHRRERLLALLQDSWCEENCKRVLSQAGALQLGADFSQTTPVDDVLHRLKDVPETNFSSMVQ
EEKATFNLLPLL VQVAVSVVKDVKKALAEQPEGLRMLAQAFPGSEAAASRWSQALEGLEQSRPYLQEVQ
QYETYRWILGCVLCSAILLVVICNLLGLSLGIWGLFAREDPSHSETKGEAGARLLMAGVAFSFLFAVPLI
LLVFVTFVLVGGNVQTLVCRSWESGELYEFADTPGNLPPSMNLSYLLGLKKNISIVQAYRQCKAGAVLWKV
LQLNDSYDLDKHLDIKQYTHKIQQELQSFQVDLKDLDLLSPTARQDLEALQRSGLEKIHRYGFLVQIQKP
VVNTDMWQLAQELEGLAQONDSLLRQQLREEARELRSLYQEKVVPQESLVTKLNFSVKTLES LAPSLQV
NTSDFLDSVTRLKGELPVQINHILRNATECFL TREMGYFSQYVTWVRAEVTQRIATCQPFSTALDNHVI
LCDMMADPWNAFWFCLGWCTFFLIPSIIFAVKTSKYFRPIRKRLSSTSSEETQLFHIPRVTSKLL
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Plasmid Map:



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