

Product datasheet for **RN212479**

Prom2 (NM_138857) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prom2 (NM_138857) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prom2
Synonyms:	Prom-rp; Promrp; Trprp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212479 representing NM_138857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCGCAGCTCGACCTCATGGTGCCTCTGCTGGCCTAAGCCTGGGACTGGCCCTGAGCCTGCCCC
 GAGCTGTGGCAGCGGACTGCGGGTCCCTCGGGCGCGTGGAGCACCTGGCATTGCTCCGGTGCCCGGAC
 AGAACCGACAGCCCTCGTGTCCGCGCGCCGTGGCCCTGGACTCCCTCTATGGACCGTGAACGATTC
 CTCTCCGTGGTTCAGCTTAACCCCTTCCCGGCAGAGTTGATAAAGACCCTCTAAATGATCCATCTTCTG
 TGAAGACAGATGAGGTGGTCCGGTATGAGGCGGGCTACGTGGTGTGCGTGTGATTGCTGGCCTCTACCT
 CCTATTGGTACCCATCACTGGGCTCTGCTTCTGTTGTTGCCGATGCCGCCGGCGCTGCGGGGACAGGGT
 AAGACGGAGCACAAGCCATGGCCTGTGAACGTGGCACCTCATGACCTCCTGCTGCTGACCACCCTCA
 TGCTTCTGATCGGTATGGTCTGTGCTTTTGTACTAACCAGTTCACACACAGTCAGACGGCCCCAGTGT
 GGAAGCGTCCCCGAGACCCTGCTCAGCCTAAGAGGCTTGGTCTCTGACGTTCTAAAAAGCTGCAGGCC
 GTGGCTGATCAGTTCCTTGCCTCAGAAGCAAGTCTCAAAGGATCTGGATGGTGTCCGGTGAACCTTG
 GGAATATAATTCATAACCAACTCAAGAGCACAGTGTACCCAGTGTAGCCTCAGTGCACGGCCTGGGCCA
 GGCCCTGCAGGTCTCCATAGACCACCTTCAAAGCGTGAACGCCACCTCAGTGGAGCTGCGGGAGGGGACG
 CAGCACCTGGGACCACCTGTGCAGGCACACCGGGAGCGCCTGCTCGCCCTGCTTACAGGAGAGCTGGTGC
 ACGAGAAGTCAAAGGGGGCCCTGAGCCAGGCCAGTGTCTGCAACTGGGTGCTGACTTTAGCCAGATGCC
 CCCTGTGGATGACGTCCTGCATCGGCTGCAGGGTGTCCAGAAGCCAACCTTCCAGCATGGTCCAGGAG
 GAGAAGCCACCTTCAATAACCTCCCTATCCTGGTTCATATGCAGATGGTCAAGTGTGGTCAAAGTCTGA
 AAAAGGCACTGGCTGAGCAGCCTGAAGGTGTGAGGATGCTGGCCCAAGCGTTCACAGGTTCCAGGCAAC
 TTCCCGCTGGAGCCAGGCGCTGGAGGGGCTGGAGCAGCGCAGCCGCCCTACTTACAGGATGTGCAGCGA
 TATGAGACATACAGGTGGATTTTGGGATGCGTGTGCTGTGCTCTGCCATCCTGCTTGTGGTGTCTGTAAAC
 TGCTGGGCCTCAGCCTAGGCATCTGGGGTGTGTTGCCAGGGAGGACCCAGCCACTCTGAAACCAAGGG
 CGAGGCTGGAGCCCGCTTCTCATGGCAGGTGTGGCCTTACAGTTCCTCTTTCAGCCCCCTCATCCTC
 CTTGTCTTCGCCACTTCTGTTGGTGGTGGCAACGTGCAGACGCTGGTGTGCCGGAGCTGGGAGAGTGGAG
 AGCTGTACGAGTTTGTGGACACCCCGGGAACTGCCCCATCCATGAACCTGTCCTACATTCTTGGCCT
 GAGGAAGAACATCAGCGTCTTCCAGGCCTATCGACAGTGAAGGCAGGGACAGCACTCTGGAAGGTTCTA
 CAGCTCAATGACTCCTATGACCTGGATAAGCACCTGGATATCAAACAGTATACCCATAAGCTTCAGCAGG
 AGCTTCAAAGCTTCAAAGTAGATCTGAAGGATCTAGACCTGTTGAATCCTGCTGCCCGCCAGAACCTGGA
 GGCTTTCAGAGTAGCGGGCTGGAGAAAATCCACTACAGAGACTTCTTGTACAGATCCAGAAGCCTGTG
 GTGAAGACTGACATGGGGCAGCTGGCGAAGGAGCTGGAAGGACTGGCCCAGGCCATAATGAATCTTTAC
 GGAGGCAGCAGCTACAGGAGGAGGCCAGAGAAGCTTCAAGCCTTACCAGGAGAAGGTTGTCCCCAGGA
 GAACCTTGTGGCCAAGCTCAACCCAGCATCAGGGTCTTGGAGTCTCAGCCCCAAAAGTGCAGGTGAAT
 ACCTCAGACCTTCTTACATAGTCGCCCCGCTTAAAGGAGAGCTGCCTGCTCAGCTCAACCACATCCTGA
 GGAATGCCACTGAGTGTCTCTGACCAGGGAAATGGGCTACTTCTCTCAGTATGTGACCTGGGTGAGGGA
 AGAGGTGACTCAGCACATCGCCACCTGCCAGCCCTTCTCTAAAGCCCTGGACGATGGTCAATGATCCTG
 TGTGACATGATGGCCAACCCCTGGAATGCCTTCTGGTTCTGCCTGGGCTGGTGCACCTTCTTCTCATC
 CCCAGCATCATCTTCGGGTCAAGACCTCCAAGTACTTCCGTCCCATCCGAAACGGCTCAGCTCCACCA
 GCTCCGAAGAGACACAGCTCTTCCATATCCCCAGGGTCACTCCCTGAAGCTATAGAACCACCGGGGCAA
 GGTGATACCTGGGGGTTTCTGTCTTCTTCTTGTCTCAGCCTGGACCAGACGACATCTGTAACCTCTG
 TTCCAGAGCCCAGGCTGGCCTCTAGTGTGGTGTCTCCAGTTCACATTTGACTCTTCTGCTCGTG
 A

ACGGCTACGGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_138857

Insert Size:	2661 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_138857.1</u> , <u>NP_620212.1</u>
RefSeq Size:	4294 bp
RefSeq ORF:	2661 bp
Locus ID:	192211
UniProt ID:	<u>Q8CJ52</u>
Cytogenetics:	3q36
Gene Summary:	polytopic membrane glycoprotein structurally related to prominin-1; may function in plasma membrane microdomains [RGD, Feb 2006]