

Product datasheet for **MC205277**

Prune1 (NM_173347) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prune1 (NM_173347) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prune1
Synonyms:	9230112O05Rik; C130058A12; DRES-17; HTCD37; Prune-M1; PRUNEM1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057546
 ATTTACATCAATCTCGAACAGATTTTCGGTGAATATATGGAAAGGTAATACTTAGTCCTATCTGCAA
 GTTCAGATGCCATAAAGGCGAGTTATTGTGACACATACACAATTTGCATGTCATAGCCCTCCGAAAAGT
 CTCACCTTGAGGACAAACACGAGCTGCTGGACTACATTTCCAGGAGGCACCGCATATACCATACTCCTC
 CTTGACGTCCCATGAGTCTTTGGGCTCAGAACCAGCCTCTGCCGCTGGGGGCGGGGCAACGCCGGACT
 CCCGGAGTGCCGGATTACGCACCTCCTCCTGGGTTTCGGAGGCCGAACCCCTTATGTCGGGTTACCTCTCCTG
 CGCCCCCTGACTCTCGGCTCTAGACCCTAGGCTAGGGCTAGGGGCGGGTACATTTCTGCCGGTTACCTCTCCTG
 GCTGAGGGGCAACGGCACACCTCGGCTTTACCATGGAGGACTACCTGCAGGACTGTCGAGCCGCTTTGC
 AGGATTCCAGGCCTCTACATGTCGTGCTGGGAAATGAAGCCTGCGACTTAGACTCCATGGTGTCTGCTCT
 CGCCTTGGCCTTCTACCTAACAAAGACGTCTGAAGCTGAAGACATCTTTATACCAGTTTTAAATATAAAG
 CGTTCTGAGCTTCTCTGCGCGGGGACAATGTCTTCTTCTCCAGGAGGTTAAGATTCCAGAGCCAGCCC
 TGATCTTCCGGGACGAGATTGACCTCTAGCCCTGCACCAGGCTGGCCAGCTCACCTCATCTTGTGGA
 CCACCATATTTTACCCAAAAGCGATGCAGCTCTGGAGGAGCCGTAGCAGAGGTGCTGGACCACCGACCA
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 CAGAGAGAATCCTGCAGGGGACCCAGAGACCTTGACAGACAAAAGTGCAGCCCTACTGCATGGAACCAT
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 TTGACTCAGCGAAGATGGCTTCGGGGCAGTCTGAGGTAGCTGTGGGTATGTCTAGGGAGCAGGTGGACAA
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 CCCACGCCTATGAACAGCTTGGTGGATGAGTGCCCTCTGGATCAGGGGCTGCCTAAGTTCTCCGCTGAGG
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 ATTGGAAGTAGGGTGGGAAGTGTGGAGGAGTACTGGCCTGCCTCAAATGCATGTTTTGAGATGTTTTG
 ACCACTTCAGCAACTACGTGAGTGGCTCAGGATCGGGTGTACTGTTCTCATAACCTTGGGAGGAGAAAG
 AGAAAGAGAGCGGCTGCTGTAGGACAGCTCTCTGCCTCTCCTCTCCTGGCTCTACCAGTAAAGACAAGT
 TATTTTAAATTTTATTATTTAATCTGCAGTATTTTCTGTCTTTGGTGGGTACAGTGTGATAGGACCACT
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 CAGCGTCTGCCATGAAACCAGTTACCCGCTCCTCTCCATGAATTGACCTTTTCAATTTTTTAAAGTTAT
 TTTTGAGACAGAGCCTCATGTAGCCAGGCTGGCCTTGGCTCTGTATGTATCTGAGGCTAGTCCTGAAT
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 CTATATCTTTGGCTCCTTCTGTCTCAGAATGATGGGAAGCCTGACGGGGACCTGAGGATTGAGGTCTTG
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 TATCCCCTGTCTTAGTGGGCTGCCAAGGTCTTGTGAGTCTTTTTCTGGTTTTGCTCAAGTTGAAGAATG
 CGTGGAGAGTCTTCTGGTGAACATCCTCTGTCGGGTCCTCCTCCACCTGTAACCTGAGGTTAGGA
 AAAGATGTGCCCTTCTTCTCCAGCCTTTCTCCCTCTGCTTCTCATTACTTTTGTCTCCCTGGGA
 GCGTTCGCGCTCTGGTCACTGGATTGTTTCGTGTTTATGTGTGATTGTACCAAGGAACCTTAGCCTCATG
 TAGCATGTACAGGTTGTAATGGTGACCCAGCAGCGAGCTCTCTCCAGTAATTTGTTCCGCATGTGTAG
 TCTCCCCTCGCCTCCCCACCTCCCATCCCCCTTTTTTCCAATCAAGCTGTTTCCCTGTCTTACCCTA
 TATAAGTTGCAAACAATATCGCTGAACAGTAGGGTGTGTGGTGGTTGGGGCAGTCTGACTTCACTTTAG
 TGTATGACGTCTGTAGCCAATGGGAACGTGAAATATTGGTGCATCACTGAACCAAGGGATTGTGTCT
 GTGACTTTGGTACTTTGTTTTGCATTTTTGTTTCATATTAATACTTTCTTTCTGTTTGAIAAAAAAAAAA AAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_173347
Insert Size: 1365 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:	BC057546 , AAH57546
RefSeq Size:	3160 bp
RefSeq ORF:	1365 bp
Locus ID:	229589
UniProt ID:	Q8BIW1
Cytogenetics:	3 F2.1
Gene Summary:	Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. Plays a role in cell proliferation, migration and differentiation, and acts as a negative regulator of NME1. Plays a role in the regulation of neurogenesis. Involved in the regulation of microtubule polymerization.[UniProtKB/Swiss-Prot Function]