

Product datasheet for **RN202788**

Prep (NM_031324) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prep (NM_031324) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prep
Synonyms:	rPop
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202788 representing NM_031324
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGTCCTTCCAGTACCTGACGTGTACCGCAGCAGACCTCAGTACAGGATTATCATGGACATAAAA
 TTTGCGACCCTTATGCTTGGCTTGAAGACCCAGACAGTGAACAGACAAAGGCTTTCGTGGAGGCACAGAA
 CAAGATCACAGTGCCGTTTCTTGAGCAGTGTCCAATCAGAGGTCTATAAAGGAGAGGATGACTGAGCTG
 TATGACTACCCCAAGTACAGCTGCCACTTCAAGAAAGGAAAGCGGTATTTTTATTTTTACAATACAGGTT
 TGCAGAACCAGCGAGTATTATATGTACAGGACTCCTTAGAGGGGGAAGCCAGAGTGTTCCTGGATCCCAA
 CACTCTGTGCGATGACGGCACGGTGGCACTCCGAGGTTATGCCTTCAGCGAAGATGGTGAATACTTCGCC
 TATGGTCTGAGCGCCAGCGGCTCAGACTGGGTGACCATCAAGTTCATGAAGGTCGACGGTGCCAAAGAGC
 TTCGGACGTGCTGGAGAGAGTCAAGTTCACCTGTATGGCCTGGACGCACGATGGCAAAGGAATGTTCTA
 CAACTCATACCCACAGCAGGACGCAAGAGCGACGGCACAGAGACGTCCACCAATCTCCACCAGAAGCTC
 TGTATACAGTCTTGGGACGGATCAGTCAGAAGACGTTCTGTGTCCGAGTTCCCGGATGAGCCTAAAT
 GGATGGGAGGAGCCGAGTTATCCGATGACGGTCCGCTATGTCTTGTATCGATCTGGGAGGGATGTGATCC
 AGTGAATCGGCTGTGGTACTGTGACCTCCAGCAGGGATCCAATGGTATCAACGGGATCCTGAAGTGGGTA
 AAAGTATAGACAACCTTGAAGGGGAGTACGATTACATAACCAACGAGGGTACGGTGTTCACCTTCAAGA
 CCAACCGCAACTCCCAATTACCGGCTGATCAACATCGACTTCACGGACCCCGACGAGTCCAAGTGAA
 AGTTCTCGTTCGGAGCACGAGAAAGATGTCTTAGAGTGGGTGGCTTGCCTCAGGTTCAACTTCTGGTC
 TTGTGCTACCTCCGCAACGTGAAGAATCTGCAGCTTCACGACCTGACAACCTGGTCTCTCTCAAGA
 CCTTCCCGTGGACGTGGCAGCGTGGTGGGTACAGTGGGCGCAAGAAGGACTCTGAGATCTTCTACCA
 GTTCACATCCTTCTTATCTCCAGGTGTCAATTTACCACTGTGATCTTACCAGAGAGGAACCTGGAACCCCG
 GTTTTCCGAGAGGTGACGGTGAAGGGAATCGATGCGTCTGATTACCAGACTATCCAGTTTTTCTACCCTA
 GCAAGGATGGCACAAGATTCCCATGTTTATTGTGCATAAAAAGGGCATAAAGTTGGATGGCTCGCATCC
 CGCTTCTGTATGGCTATGGTGGCTTCAACATCTCCATCACACCCAACTACAGTGTGTCCAGGCTCATT
 TTTGTGAGACATATGGGCGCGTCTCGCGGTAGCTAACATCAGAGGCGGTGGTGAATACGGAGAAACAT
 GGCATAAAGGTGGGATCTTGCCAAACAAGCAGAACTGCTTTGATGACTTCCAGTGTGCTGCTGAGTACCT
 CATCAAGGAAGGTACACAACCTCAAGAGGCTCAGATCAATGGAGGCTCCAATGGCGGCTCTTAGTG
 GCTGCTTGGCAAATCAGCGCCCGACCTTTCGGCTGTGTGATCGCCAGGTTGGAGTGTGACATGT
 TGAAGTTCACAAATTTACTATTGGCCATGCCTGGACCACTGATTACGGGTGCTCCGACAGCAAAACA
 CTTCAATGGCTTCTCAAGTACTCGCCGCTGCACAACGTGAAGCTTCCGGAGGCGGATGACATCCAGTAC
 CCGTCCATGCTCCTCCTCACGGCTGACCACGACACCGCGTGGTCCCGCTGCACTCGCTCAAGTTCATCG
 CCACGCTTCAGTACATCGTGGGCCGAGCCGGAAGCAGAGCAACCCCTGCTCATCCACGTGGACACCAA
 GGCCGGCCACGGGCCGGGAAAACCCACCGCAAGGTGATAGAAGAAGTCTCGGATATGTTTGCCTTCATA
 GCGCGGTGCTGAACATCGAGTGGATCCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_031324
 Insert Size: 2133 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_031324.1, NP_112614.1</u>
RefSeq Size:	2743 bp
RefSeq ORF:	2133 bp
Locus ID:	83471
UniProt ID:	<u>O70196</u>
Cytogenetics:	20q13
Gene Summary:	may play a role in neuropeptide catabolism; expressed in brain; most enzyme activity is localized to the cytosolic fraction [RGD, Feb 2006]