

## Product datasheet for **RN202214**

### Prepl (NM\_001010951) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prepl (NM_001010951) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prepl
Synonyms:	RGD1310143
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202214 representing NM\_001010951  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGCATTTGAAAAAGTGAGGACAAGGCTAGAAACACAGCCACAGGAAGAGTACGAAATCGTCAATG  
 CGGAGATTAACATGGCGGCTTTGTCTATTATCAAGAAGTTGCTGCTTGGTCCGTTCCAAAGACGAAGA  
 AGCTGACAGTGATAATTATGAAGTTTTATTCAACCTGGAAGAAGTAAACTGGAGCAGCCCTTCATCGAT  
 TGCATCCGAGTTGCTCCTGATGAGAAGTACGTGGCTGCTAAGATAAGGGCGGAGGATTCTGAAACCTCCA  
 CCTGCATAGTGGTGAAGCTCAGCGATCAGCCTGCCATGGAAGCCTCTTTCCCAACGTGTCCAGCTTTGA  
 ATGGGTGAAGGATGAAGAAGATGAAGATGTCTTATTCTACACCTCCAGAGGAACCTTCGCTGTCACGAT  
 GTGTACCGAGCCACGTTTGGTGACAACAAACGCAATGAGCGGTTCTACACAGAGAAAGACCCAGCTATT  
 TTGTTTTCTCTATCTTACAAAAGACAGTCGTTTCTCACCTGAATATCATGAACAAGACGACTCCGA  
 GGTGTGGCTCATCGATGGCTGAGCCCGTGGGACCCCAATGCTCATTGAGAGAGAAATCCATGGGATG  
 CTTTACTATGTTGAGCATCGAGATGACGAATTGTACATCCTGACTAATGTTGGAGAACCTACAGAATTCA  
 AGCTGATGCGGACTGCAGCTGACGCCCTGCTATTATGAATTGGGATTTATTTTTACAATGAAGAGAAA  
 CACCAAGTTGTAGACTTGGACATGTTAAGGACCACTGCGTTCTGTTCCGAAACACAGCAATCTCCTC  
 TATGTTAATGTGATTGGTCTGGCTGACGACTCCGTCGCTCTCTAAAGCTGCCTCCTTGGGCTGTGGAT  
 TCATAATGGATACAAATCTGACCCGAAGAAGTCCCTTCCAGCTTTGCTCCCAATAAGACCCCAAAA  
 ATATTACACATACAAATTTGACAGAGGCAAACTGTTTGGAGAACTGGTCACGAAGATCCAATCACAAAG  
 ACCAGTCGAGTTTTACGCATAGAAGCCAAAAGCAAGGATGGAAGCTAGTGCCCATGACGGTTTTTCACA  
 AGACGGATTCTGAGGACTTGCAGAGGAAGCCTCTCTTGGTGCAGTATATGGAGCTTACGGAATGGATCT  
 GAAGATGAACTTCAGGCCTGAAAGGCGGGTCTTGGTGGATGATGGGTGGATCTTAGCATATTGCCATGTT  
 AGGGGTGGTGGCAGCTGGGTCTCCAGTGGCATGCTGATGGCCGTCTAACTAAAAAGCTCAATGGCCTGG  
 CTGACTTAGAGGCTTGCATTAAGACGCTTACAGCCAGGGCTTTTCTCAGCCAGCCTAACACGCTGAG  
 CGCTTTCAGTGTGGAGGTGTGCTTGTGGGAGCACTGTGTAAGCTAAGCCAGAGCTCCTGAGAGCAGTG  
 ACCCTGGAGGCCCTTTCTTGGATGTTCTCAACACCATGATGGACACCACACTCCGCTGACACTGGAAG  
 AGTTGGAAGAATGGGGAAACCTTCGTCGATGAGAAACACAAGAAGTACATAAAGCGCTACTGTCCATG  
 CCAGAATATGAAGCCACAGCATTACCCTCAGTTCATATCACAGCGTATGAAAACGACGAGCGAGTGCCG  
 CTGAAAGGAATCGTGAAGTACACCGAGAAGCTTAAGGAGCCGTCGACAGCACAGCAAGGGAGCAGGGG  
 AAGGCTATCAGCCCCCAACATTGTTTTAGATATTCAGCCTGGAGGGAACCATGTGATTGAGGATTTCTCA  
 CAAAAAGATCACAAACCCAGATGAAATTCCTGTATGATGAAGTGGACTTGACAGCACTGATGCTTTCGAG  
 GCTCTGAAGAAGTACCTAAAAGT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001010951
- Insert Size:** 1917 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:**

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\\_001010951.1](#), [NP\\_001010951.1](#)

**RefSeq Size:** 2219 bp

**RefSeq ORF:** 1917 bp

**Locus ID:** 298771

**UniProt ID:** [Q5HZA6](#)

**Cytogenetics:** 6q12

**Gene Summary:** Probable serine peptidase whose precise substrate specificity remains unclear. Does not cleave peptides after a arginine or lysine residue. May play a role in the regulation of synaptic vesicle exocytosis.[UniProtKB/Swiss-Prot Function]