

## Product datasheet for **MR223164**

### Prepl (NM\_145984) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prepl (NM_145984) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prepl
Synonyms:	2810457N15Rik; 9530014L06Rik; D030028O16Rik; mKIAA0436
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>MR223164 representing NM\_145984  
Red=Cloning site Blue=ORF Green=Tags(s)

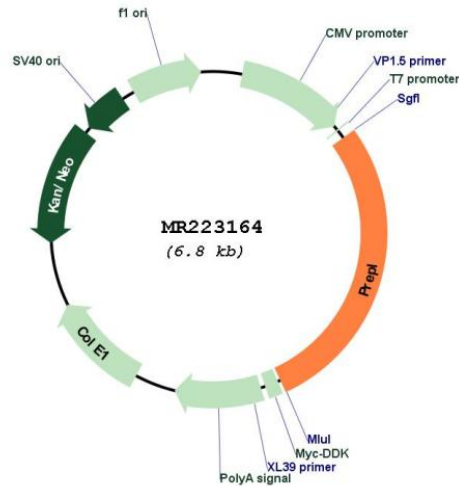
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATGCATTTGAAAAAGTGAGAACAAGACTGGAACACAGCCACAGGAAGAGTACGAAGTCGTCATG  
CAGAGATTAACATGGCGGCTTTGTTTATTATCAAGAAGTTGCTGCTTGGTTCGTTCCAAAGACGAAGA  
AGCTGACAGTGATAATTATGAAGTTTTATTCAACCTGGAAGAAGCTAAATTGGATCAGCCTTTCATTGAT  
TGCATCAGAGTTGCTCCTGATGAGAAATACGTGGCTGCCAAGATAAGGACGGAGGATTCTGAAACCTCCA  
CCTTAGTAGTTGTGAAGCTCAGTGACCAGCCTGTAATGGAAGCGTCGTTCCCAAACGTGTCCAGTTTCGA  
ATGGGTGAAGGATGAAGAAGATGAAGATGTCTTATTCTACACCTTCCAAAGAACCTTCGCTGCCACGAT  
GTGTATCGAGCCACATTTGGTGACAACAAGCGCAATGAACGGTTCTACACAGAGAAAGACCCAAGCTATT  
TTGTCTTCTCTACCTTACAAAAGACAGTCGTTTCTCACACTGAATATTATGAACAAGACGACTCCGA  
GGTGTGGTTGATAGATGGCCTGAGCCCGTGGGACCCACCAGTCCTTATTGAGAAGAGGATACACGGAATG  
CTTTACTATGTTGAGCATCGAGATGATGAGTTATACATCCTGACGAATGTTGGAGAACCTACAGAATTCA  
AGCTGATGCGGACGGCAGCTGATGCCCCGCTATTATGAATTGGGATTTATTTTTACAATGAAGAGAAA  
TACCAAGTTGTAGACTTGGACATGTTAAGGACCACTGTGTTCTGTTCTGAAACACAGCAATCTCCTC  
TATGTTAATGTGATTGGTCTGGCCGACGACTCAGTGCGCTCCCTAAAGCTCCCGCCTTGGGCTGTGGAT  
TCATAATGGATACAAATCTGACCCAAAGAAGCTGCCCTTTCAGCTTTGCTCTCCAATAAGACCCCAAA  
ATATTACATACAAATTTGAGAAGGCAAACTGTTTGAGGAACTGGTCACGAAGATCCGATTACAAAG  
ACCAGCCGTGTTTACGCATAGAAGCCAAAAGCAAGGATGGAAAGTTAGTGCCCATGACAGTTTTTCACA  
AAACCGATTCTGAGGACCTGCAGAGGAAGCCTCCTTGGTGCACGTCTATGGAGCGTACGGAATGGACCT  
GAAAAATGAATTTACGGCCTGAAAAGCGGGTCTTGGTGGATGATGGATGGATCCTTAGCTTATTGCCATGTT  
AGGGGTGGTGGCAGCTAGGTCTCCAGTGGCATGCCGATGGCCGACTAACTAAAAAGCTCAATGGCCTTG  
CTGACTTAGTGGCTTGCAATTAAGACGCTTACAGCCAGGGCTTTTCTCAGCCGAGCCTAACACGCTGAG  
CGCTTTCAGTGTGGAGGTGTGCTCGTGGGAGCACTGTGTAATTCTAAGCCAGAGCTCCTGAGAGCCGTG  
ACCCTGGAGGCACCTTCTTGGATGTCCTCAATACCATGTTGGATACCACCCTTCTCTGACACTGGAAG  
AGTTGGAAGAGTGGGGAAACCCGTCATCTGATGAGAAACACAAGAAGCTACATAAAGCGCTACTGTCCCTG  
CCAGAACATTAAGCCTCAGCATTATCCTTCAGTTCACATCACAGCCTATGAAAACGATGAGCGAGTGCCG  
CTGAAAGGAATCGTGAAGTACACAGAGAAGCTTAAGGAGGCCGTGGCTGAGCACACCAAGGGAGCGGGTG  
AAGGCTATCAGCCCCCAACATTATCCTAGATATTCAGCCTGGGGGAACACGATGATTGAGGATTCTCA  
CAAAAAGATCACAAACCAGATGAAATTCCTATATGAGGAAGTGGACTTGACAGCACTGATGCTTTCGAG  
GCGCTGAAGAAATACCTAAAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Plasmid Map:



ACCN: NM\_145984

ORF Size: 1914 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\\_145984.3](#), [NP\\_666096.3](#)

RefSeq Size: 3394 bp

RefSeq ORF: 1917 bp

Locus ID: 213760

UniProt ID: [Q8C167](#)

Cytogenetics: 17 E4

MW: 73.7 kDa

**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]