

Product datasheet for **MG223164**

Prepl (NM_145984) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prepl (NM_145984) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prepl
Synonyms:	2810457N15Rik; 9530014L06Rik; D030028O16Rik; mKIAA0436
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG223164 representing NM_145984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGCATTTGAAAAAGTGAACAAGACTGGAACACAGCCACAGGAAGAGTACGAAGTCGCAATG
 CAGAGATTAACATGGCGCTTTGTTTATTATCAAGAAGTTGCTGCTTGGTTCTTTCCAAAGACGAAGA
 AGCTGACAGTGATAATTATGAAGTTTTATTCAACCTGGAAGAACTTAAATTTGGATCAGCCTTTCATTGAT
 TGCATCAGAGTTGCTCCTGATGAGAAATACGTGGCTGCCAAGATAAGGACGGAGGATTCTGAAACCTCCA
 CCTTAGTAGTTTGAAGCTCAGTGACCAGCCTGTAAAGGAGCGTCGTTCCCAAACGTGTCCAGTTTCGA
 ATGGGTGAAGGATGAAGAAGATGAAGATGCTTATTCTACACCTTCCAAAGAACCTTCGCTGCCACGAT
 GTGTATCGAGCCACATTTGGTGACAACAAGCGCAATGAACGGTTCACACAGAGAAAGACCCAAGCTATT
 TTGCTTCTCTACCTTACAAAAGACAGTCGTTTCTCACACTGAATATTATGAACAAGACGACTCCGA
 GGTGTGGTTGATAGATGGCTGAGCCCGTGGGACCCACAGTCTTATTACAGAAGAGGATACACGGAATG
 CTTTACTATGTTGAGCATCGAGATGATGAGTTATACATCTGACGAATGTTGGAGAACCACAGAATTC
 AGCTGATGCGGACGGCAGCTGATGCCCTGCTATTATGAATTGGGATTTATTTTTACAATGAAGAGAAA
 TACCAAGTTGTAGACTTGGACATGTTAAGGACCACTGTCTTCTGTTTCTGAAACACAGCAATCTCCTC
 TATGTTAATGTGATTGGTCTGGCCGACGACTCAGTGCCTCCCTAAAGCTCCCGCTTGGCCCTGTGGAT
 TCATAATGGATACAAATCTGACCCAAAGAACGCCCTTTACAGCTTTGCTCTCCAATAAGACCCCCAAA
 ATATTACATACAAATTTGAGAAGGCCAAAGTGGTGTAGGAACTGGTACGAAGATCCGATTACAAAG
 ACCAGCCGTGTTTACGCATAGAAGCCAAAAGCAAGGATGGAAAGTTAGTGCCCATGACAGTTTTCACA
 AAACCGATTTCTGAGGACCTGCAGAGAAAGCTCTCTTGGTGACGTCTATGGAGCGTACGGAATGGAC
 GAAAATGAATTTACGGCCTGAAAAGCGGGTCTTGGTGGATGATGGATGGATCTTAGCTTATTGCCATGTT
 AGGGGTGGTGAGCTAGGTCTCCAGTGGCATGCCGATGGCCGACTAACTAAAAAGCTCAATGGCCTTG
 CTGACTTAGTGGCTTGCATTAAGACGCTTCACAGCCAGGGCTTTTTCTCAGCCGAGCTAACAACGCTGAG
 CGCTTTCAGTGTGGAGGTGTGCTCGTGGGAGCACTGTGTAATTCTAAGCCAGAGCTCTGAGAGCCGTG
 ACCCTGGAGGCACCTTTCTTGGATGCTCAATACCATGTTGGATACCACCCTTCTCTGACTGGGAG
 AGTTGGAAGAGTGGGGAACCCGTCATCTGATGAGAAACAAGAAGTACATAAAGCGCTACTGTCCTG
 CCAGAACATTAAGCCTCAGCATTACCTTCAAGTTCACATCACAGCCTATGAAAACGATGAGCGAGTGCCG
 CTGAAAGGAATCGTGAATACACAGAGAAGCTTAAAGAGCCGCTGGCTGAGCACCAAGGGAGCGGGTG
 AAGGCTATCAGCCCCCAACATTACCTAGATATTACAGCTGGGGAACACGATGATTGAGGATTTCTCA
 CAAAAAGATCACAAACCGATGAAATCTATATGAGGAAGTGGACTTACAGCAGCTGATGCTTTGCGAG
 CGCTGAAGAAATACCTAAAGTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223164 representing NM_145984
 Red=Cloning site Green=Tags(s)

MDAFEKVRTRLETQPQEEYEVVNAEIKHGGFVYYQEGCCLVRSKDEEADSDNYEVLFNLEELKLDQPFID
 CIRVAPDEKYVAAKIRTEDSETSLVVKLSDQPVMEASFVNSSFVWKDEDEDVLFYTFQRNLRCHD
 VYRATFGDNKRNERFYTEKDPSYFVFLYLTKDSRFLTLNIMNKTTSEVWLIDGLSPWDPVLIQKRIHGM
 LYYVEHRDDELYILT NVGEPTFKLMRTAADAPAIMNWDLFFTMKRNTKVVDLDMFKDHCVLFLKHSNLL
 YNVNIGLADDSVRSLKLPWACGFIMDTNSDPKNCPFQLCSPIRPPKYTYKFAEGKLFEEIGHEDPITK
 TSRVLRLEAKSKDGKLPMTVFHKTDESEDLQRKPLL VHYVYAYGM DLKMFRPEKRVLVDGWLAYCHV
 RGGGELGLQWHADGR LTKLNLGLADLVACIKTLHSQGSQPSL TTSFASAGGVLVGALCNSKPELLRAV
 TLEAPFLDVLNTMLDTLLPLTLEEEWGNPSSDEKHKNYIKRYCPCQNIKPQHYPVSHITAYENDERVP
 LKGI VNYTEKLEAVAETHKGAGEGYQPPNIILD IQPGNHVIEDSHKKIT TQMKFLYEEGLDSTDAFE
 ALKKYLKF

TRTRPLE – GFP Tag – V

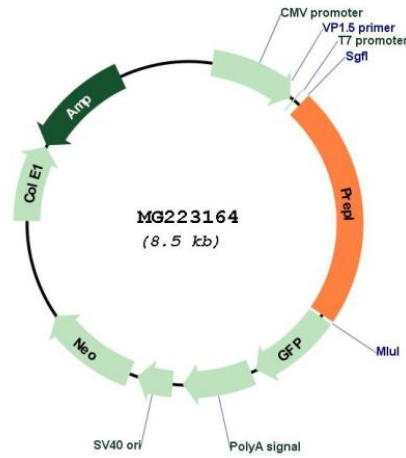
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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:	<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:	NM_145984.3 , NP_666096.3
RefSeq Size:	3394 bp
RefSeq ORF:	1917 bp
Locus ID:	213760
UniProt ID:	Q8C167
Cytogenetics:	17 E4
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]