

Product datasheet for **MR209678**

Prepl (NM_001163624) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prepl (NM_001163624) 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:

>MR209678 representing NM_001163624
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATGCATTTGAAAAAGTGAGAACAAGACTGGAACACAGCCACAGGAAGAGTACGAAGTCGTCATG
CAGAGATTAACATGGCGGCTTTGTTTATTATCAAGAAGTTGCTGCTTGGTTTCGTTCCAAAGACGAAGA
AGCTGACAGTGATAATTATGAAGTTTTATTCAACCTGGAAGAAGTAAATTGGATCAGCCTTTCATTGAT
TGCATCAGAGTTGCTCCTGATGAGAAATACGTGGCTGCCAAGATAAGGACGGAGGATTCTGAAACCTCCA
CCTTAGTAGTTGTGAAGCTCAGTGACCAGCCTGTAATGGAAGCGTCGTTCCCAAACGTGTCCAGTTTCGA
ATGGGTGAAGGATGAAGAAGATGAAGATGTCTTATTCTACACCTTCCAAAGGAACCTTCGCTGCCACGAT
GTGTATCGAGCCACATTTGGTGACAACAAGCGCAATGAACGGTTCTACACAGAGAAAGACCCAAGCTATT
TTGTCTTCTCTACCTTACAAAAGACAGTCGTTTCTCACAAGTGAATATTATGAACAAGACGACTCCGA
GGTGTGGTTGATAGATGGCCTGAGCCCGTGGGACCCACAGTCCATTATCAGAAGAGGATACACGGAATG
CTTTACTATGTTGAGCATCGAGATGATGAGTTATACATCCTGACGAATGTTGGAGAACCTACAGAATTCA
AGCTGATGCGGACGGCAGCTGATGCCCTGCTATTATGAATTGGGATTTATTTTTACAATGAAGAGAAA
TACCAAGTTGTAGACTTGGACATGTTAAGGACCACTGTGTTCTGTTCTGAAACACAGCAATCTCCTC
TATGTTAATGTGATTGGTCTGGCCGACGACTCAGTGCGCTCCCTAAAGCTCCCGCCTTGGGCTGTGGAT
TCATAATGGATACAAATCTGACCCAAAGAACTGCCCTTTCAGCTTTGCTCTCCAATAAGACCCCAAA
ATATTACATACAAATTTGAGAAGGCAAACTGTTTGAGGAACTGGTCACGAAGATCCGATTACAAAG
ACCAGCCGTGTTTACGCATAGAAGCCAAAAGCAAGGATGGAAAGTTAGTGCCCATGACAGTTTTTCACA
AAACCGATTCTGAGGACCTGCAGAGGAAGCCTCTCTTGGTGCACGCTCTATGGAGCGTACGGAATGGACCT
GAAAATGAATTTACGGCCTGAAAAGCGGGTCTTGGTGGATGATGGATGGATCCTAGCTTATTGCCATGTT
AGGGGTGGTGGCAGCTAGGTCTCCAGTGGCATGCCGATGGCCGACTAACTAAAAAGCTCAATGGCCTTG
CTGACTTAGTGGCTTGCAATTAAGACGCTTACAGCCAGGGCTTTTCTCAGCCGAGCCTAACACGCTGAG
CGCTTTCAGTGTGGAGGTGTGCTCGTGGGAGCACTGTGTAATTCTAAGCCAGAGCTCCTGAGAGCCGTG
ACCCTGGAGGCACCTTCTTGGATGCTCAATACCATGTTGGATACCACCCTTCTCTGACACTGGAAG
AGTTGGAAGAGTGGGGAAACCCGTCATCTGATGAGAAACACAAGAACTACATAAAGCGCTACTGTCCCTG
CCAGAACATTAAGCCTCAGCATTATCCTTCAGTTCACATCACAGCCTATGAAAACGATGAGCGAGTGCCG
CTGAAAGGAATCGTGAACACACAGAGAAGCTTAAGGAGGCCGTGGCTGAGCACACCAAGGGAGCGGGTG
AAGGCTATCAGCCCCCAACATTATCCTAGATATTCAGCCTGGGGGAACACGATGATTGAGGATTCTCA
CAAAAAGATCACAAACCAGATGAAATTCCTATATGAGGAAGTGGACTTGACAGCACTGATGCTTTCGAG
GCGCTGAAGAAATACCTAAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209678 representing NM_001163624
 Red=Cloning site Green=Tags(s)

MDAFEKVRTRLETQPQEEYEVVNAEIKHGGFVYQEGCCLVRSKDEEADSDNYEVLFNLEELKLDQPFID
 CIRVAPDEKYVAAKIRTEDSETL VVVKLSQPVMEASFNVSSFVWVWVDEDEDVLFYTFQRNLRCHD
 VYRATFGDNKRNERFYTEKDP SYFVFLYLTKDSRFLTLNIMNKTTSEVWLDGLSPWDPVLIQKRIHGM
 LYYVEHRDDEL YILTNVGEPTFEKLMRTAADAPAIMNWDLFFTMKRNTKVVDLDMFKDHCVLFLKHSNLL
 YVNVIGLADDSVRSCLKPPWACGFIMDTNSDPKNCFQLCSPIRPPKYTYKFAEGKLFEEETGHEDPITK
 TSRVLR IEAKSKDGKLVPMTVFHKTDSEDLQRKPLL VHVYGYGMDLKMFRPEKRVLVDDGWILAYCHV
 RGGGELGLQWHADGRLTKKLNGLADLVACIKTLHSQGSQPSLTTL SAFSAGGVLVGALCNSKPELLRAV
 TLEAPFLDVLNTMLD TTTPLTLEEEWGNPSSDEKHKNYIKRYCPCQNIKPQHYPVSHITAYENDERVP
 LKGI VNYTEKLKEAVA EHTKGAGEGYQPPNI ILDIQPGGNHVI ED SHKITTQMKFLYEELGLDSTDAFE
 ALKKYLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

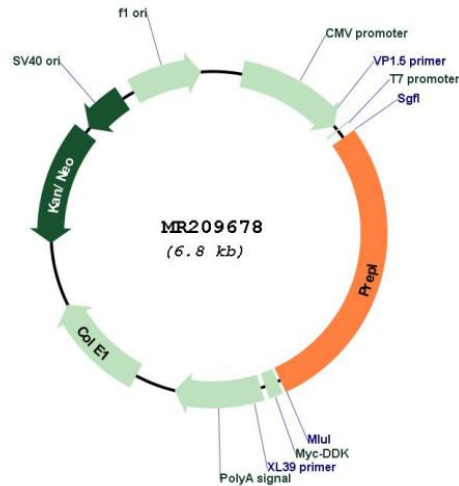
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001163624

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_001163624.1](#), [NP_001157096.1](#)

RefSeq Size: 3162 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]