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Product datasheet for MR224398

Prepl (NM_001163622) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prepl (NM_001163622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prepl
Synonyms:	2810457N15Rik; 9530014L06Rik; D030028O16Rik; mKIAA0436
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR224398 representing NM_001163622
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCAGACGGCCAAATTCTCTCTCCGAGCTTTGAAGCATAGTATTCCTCATCTTGGGAACTGCATGC
AGAAACAGAGTTACCGTAACGTCGCTGGTCCTTATTACAGTAGAGTAAGATTGAAAAAGTACCACCTAAC
CAAGTGTCTGCAGAATAAACCCAGGATAGCAGGATTAGCAAGAAACATCCCAAGTCGGAGCTTCTCGTGT
AAGGATCTTCTGCCTATTAAGCCAGAAAGTGAAAAGCCCATTTCTGAAAACATGGATGCATTTGAAAAAG
TGAGAACAAGACTGGAAACACAGCCACAGGAAGAGTACGAAGTCGTCAATGCAGAGATTAAACATGGCGG
CTTTGTTTATTATCAAGAAGGTTGCTGCTTGGTTCGTTCCAAAGACGAAGAAGCTGACAGTGATAATTAT
GAAGTTTTATTCAACCTGGAAGAACTTAAATTGGATCAGCCTTTCATTGATTGCATCAGAGTTGCTCCTG
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GTGACAACAAGCGCAATGAACGGTTCTACACAGAGAAAGACCCAAGCTATTTTGTCTTCCTCTACCTTAC
AAAAGACAGTCGTTTCCTCACACTGAATATTATGAACAAGACGACTTCCGAGGTGTGGTTGATAGATGGC
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GAGATGATGAGTTATACATCCTGACGAATGTTGGAGAACCTACAGAATTCAAGCTGATGCGGACGGCAGC
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TGGCCGACGACTCAGTGCGCTCCCTAAAGCTCCCGCCTTGGGCCTGTGGATTCATAATGGATACAAATTC
TGACCCAAAGAACTGCCCCTTTCAGCTTTGCTCTCCAATAAGACCCCCAAAATATTACACATACAAATTT
GCAGAAGGCAAACTGTTTGAGGAAACTGGTCACGAAGATCCGATTACAAAGACCAGCCGTGTTTTACGCA
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CATTATCCTTCAGTTCACATCACAGCCTATGAAAACGATGAGCGAGTGCCGCTGAAAGGAATCGTGAACT
ACACAGAGAAGCTTAAGGAGGCCGTGGCTGAGCACACCAAGGGAGCGGGTGAAGGCTATCAGCCCCCCAA
CATTATCCTAGATATTCAGCCTGGGGGGAACCACGTGATTGAGGATTCTCACAAAAAGATCACAACCCAG
ATGAAATTCCTATATGAGGAACTTGGACTTGACAGCACTGATGCTTTCGAGGCGCTGAAGAAATACCTAA
AGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224398 representing NM_001163622
Red=Cloning site Green=Tags(s)

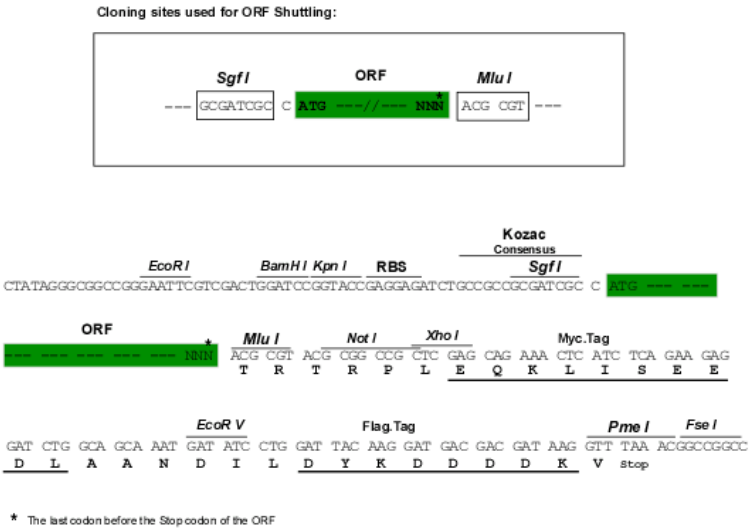
MLQTAKFSLRALKHSIPHLGNCMQKQSYRNVAGPYYSRVRLKKYHLTKCLQNKPRIAGLARNIPSRSFSC
KDLLPIKPESEKPISENMDAFEKVRTRLETQPQEEYEVVNAEIKHGGFVYYQEGCCLVRSKDEEADSDNY
EVLFNLEELKLDQPFIDCIRVAPDEKYVAAKIRTEDSETSTLVVVKLSDQPVMEASFPNVSSFEWVKDEE
DEDVLFYTFQRNLRCHDVYRATFGDNKRNERFYTEKDPSYFVFLYLTKDSRFLTLNIMNKTTSEVWLIDG
LSPWDPPVLIQKRIHGMLYYVEHRDDELYILTNVGEPTEFKLMRTAADAPAIMNWDLFFTMKRNTKVVDL
DMFKDHCVLFLKHSNLLYVNVIGLADDSVRSLKLPPWACGFIMDTNSDPKNCPFQLCSPIRPPKYYTYKF
AEGKLFEETGHEDPITKTSRVLRIEAKSKDGKLVPMTVFHKTDSEDLQRKPLLVHVYGAYGMDLKMNFRP
EKRVLVDDGWILAYCHVRGGGELGLQWHADGRLTKKLNGLADLVACIKTLHSQGFSQPSLTTLSAFSAGG
VLVGALCNSKPELLRAVTLEAPFLDVLNTMLDTTLPLTLEELEEWGNPSSDEKHKNYIKRYCPCQNIKPQ
HYPSVHITAYENDERVPLKGIVNYTEKLKEAVAEHTKGAGEGYQPPNIILDIQPGGNHVIEDSHKKITTQ
MKFLYEELGLDSTDAFEALKKYLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163622

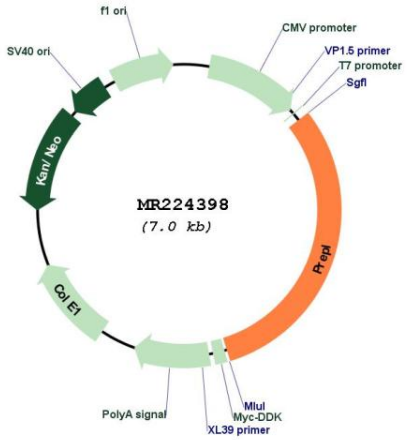
ORF Size: 2175 bp

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_001163622.1, NP_001157094.1
RefSeq Size:	3830 bp
RefSeq ORF:	2178 bp
Locus ID:	213760
UniProt ID:	Q8C167
Cytogenetics:	17 E4
MW:	83.2 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 vesiscle exocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224398