

## Product datasheet for MR202232

### Pgpep1 (NM\_023217) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pgpep1 (NM\_023217) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pgpep1  
**Synonyms:** 2810003H13Rik; Gm19458; PAP-I; Pcp; PGP; PGP-I; PGPI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202232 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAGCAGCCGGAAGGCGGTAGTGGTAACCGGATTCGGCCCTTTGGGGAGCATACTGTGAATGCCA  
 GCTGGATCGCTGTCCAGGAGCTGGAGAAGCTGGGCCTCGGGGACAGCGTGGACCTGCATGTGTACGAGAT  
 CCCCCTGGAATACCAGACGGTGCAGAGGCTCATCCAGCACTGTGGGAGAAGCACAGCCCCAGCTCGTA  
 GTGCATGTTGGGTGTCGGGCATGGCCACCACAGTGACGCTGGAAAAATGTGGGCACAACAAGGGTTACA  
 AAGGACTGGATAATTGCCGTTCTGCCCGGCTCTCAGTGCTGCGTGGAGGATGGTCCCAGAGCATCGA  
 CTCCATCATCGACATGGACGCCGTGTGCAAAAGGGTGACCACACTGGGACTGGACGTGTCTGTTACCATC  
 TCCCAGGATGCTGGCAGGTATCTGTGTGACTTCACGTATTATACATCGCTCTACCAGGGCCGCGCCGCT  
 CCGCTTTTGTCCAGTGCCTCCACTGGGTAAAGCCCTACAACGCCGACCAGCTAGGCCGGGCGCTACGAGC  
 TATCATCGAGGAGATGCTGGGTGCTCTGGAGCAAGCCGAGGGAGACATCAGCTGTTGCCGCCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202232 protein sequence  
 Red=Cloning site Green=Tags(s)

MEQPRKAVVVTGFGPFGEHTVNASWIAVQELEKLGSDVLDHVVEIPVEYQTVQRLIPALWEKHSPQLV  
 VHVGVSGMATTVTLEKCGHNKGYKGLDNCRCFPGSQCCVEDGPESIDSIIDMDAVCKRVTTGLDVSVTI  
 SQDAGRYLCDFTYYTSLYQGRGRSAFVHVPLGKPYNADQLGRALRAIEEMLGVLEQAEGDISCCRQL

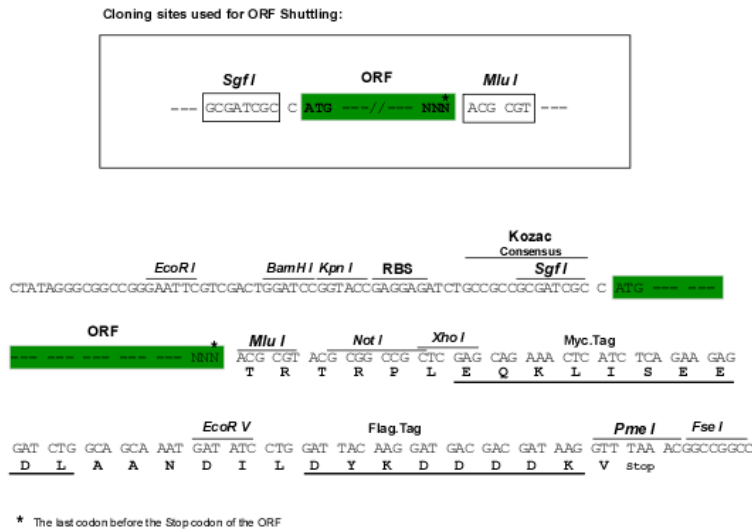
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_023217

ORF Size: 630 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\\_023217.4](#)

RefSeq Size: 4882 bp

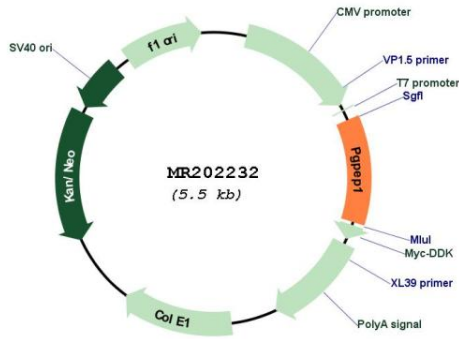
RefSeq ORF: 630 bp

Locus ID: 66522

UniProt ID: [Q9ESW8](#)

**Cytogenetics:** 8 B3.3  
**MW:** 22.9 kDa  
**Gene Summary:** Removes 5-oxoproline from various penultimate amino acid residues except L-proline.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202232