

Product datasheet for **MG202232**

Pgpep1 (NM_023217) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pgpep1 (NM_023217) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pgpep1
Synonyms: 2810003H13Rik; Gm19458; PAP-I; Pcp; PGP; PGP-I; PGPI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202232 representing NM_023217
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGCCGGAAGCGGTAGTGGTAACCGGATTCGGCCCTTTGGGGAGCATACTGTGAATGCCA
 GCTGGATCGCTGTCCAGGAGCTGGAGAAGCTGGGCCTCGGGACAGCGTGGACCTGCATGTGTACGAGAT
 CCCCCTGGAATACCAGACGGTGCAGAGGCTCATCCAGCACTGTGGGAGAAGCACAGCCCCAGCTCGTA
 GTGCATGTTGGGTGTCGGGCATGGCCACCACAGTGACGCTGGAAAATGTGGGCACAACAAGGGTTACA
 AAGGACTGGATAATTGCCGTTCTGCCCGGCTCTCAGTGCTGCGTGGAGGATGGTCCCAGAGCATCGA
 CTCCATCATCGACATGGACGCCGTGTGCAAAGGGTGACCACACTGGGACTGGACGTGTCTGTACCATC
 TCCCAGGATGCTGGCAGGTATCTGTGTGACTTCACGTATTATACATCGCTCTACCAGGGCCGCGCCGCT
 CCGCTTTTGTCCAGTGCCTCCACTGGGTAAGCCCTACAACGCCGACCAGCTAGGCCGGGCGCTACGAGC
 TATCATCGAGGAGATGCTGGGTGCTCTGGAGCAAGCCGAGGGAGACATCAGCTGTTGCCGCCAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202232 representing NM_023217
 Red=Cloning site Green=Tags(s)

MEQPRKAVVVTGFGPFGHEHTVNASWIAVQELEKLGSDVLDHVYEIPVEYQTVQRLIPALWEKHSPQLV
 VHVGVSGMATTVTLEKCGHNKGYKGLDNCRCFPGSQCCVEDGPESIDSIIDMDAVCKRVTTGLDVSVTI
 SQDAGRYLCDFTYYTSLYQGRGRSAFVHVPLGPKYPNADQLGRALRAIEEMLGVLEQAEGDISCCRQL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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: 2151 bp

RefSeq ORF: 630 bp

Locus ID: 66522

UniProt ID: [Q9ESW8](#)

Cytogenetics: 8 B3.3

Gene Summary: Removes 5-oxoproline from various penultimate amino acid residues except L-proline.
[UniProtKB/Swiss-Prot Function]