

Product datasheet for MG223450

Pfn4 (NM_028376) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pfn4 (NM_028376) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Pfn4

Synonyms: 2900024P18Rik

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG223450 representing NM_028376

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGTCACTTGCAGAACTTACTGTTAGATACCCTGCTGGGGACGAAACACGTGGACAGCCCTCA TCAAACTCCAGGAAAAGACCCTGTGTGTGACATCACCAGGATTTAGTGTAATGCCAAGTGATGTTCGAAC ACTTCTGAATGGATTTGCCAAAAACCCATTATTAACGCGAAGGGAAGGGTTGTATTTCAAGGAGAAGGAT TACAAATGTGTTCGGGCAGATGACTATTCTCTCTATGCTAAGAATGAGAACACTGGTGTGGTGGTGGTGA AGACCAACATGTATCTTGTGGTGGCAACTTACACTGCAGGCATGTATCCTAGCGTCTGCGTGGAAGCCAC

AGAGAAGCTGGGAGAGTATCTAAGGAAAAAGGGAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223450 representing NM_028376

Red=Cloning site Green=Tags(s)

MSHLQNLLLDTLLGTKHVDSAALIKLQEKTLCVTSPGFSVMPSDVRTLLNGFAKNPLLTRREGLYFKEKD

YKCVRADDYSLYAKNENTGVVVVKTNMYLVVATYTAGMYPSVCVEATEKLGEYLRKKGN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



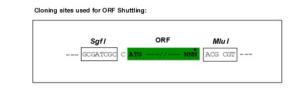
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

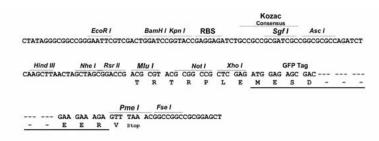
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

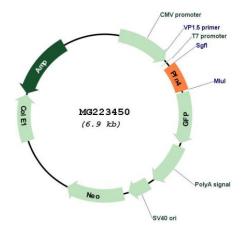


Cloning Scheme:





Plasmid Map:



ACCN: NM_028376

ORF Size: 387 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: <u>NM 028376.4</u>

 RefSeq Size:
 1306 bp

 RefSeq ORF:
 390 bp

 Locus ID:
 382562

 UniProt ID:
 Q9D6I3

 Cytogenetics:
 12 A1.1

Gene Summary: Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P), phosphatidylinositol 4,5-bisphosphate

(Ptdlns(4,5)P2), phosphatidylinositol 4-phosphate (Ptdlns(4)P) and phosphatidic acid (PA). Does not bind to actin, contrary to other family members (By similarity).[UniProtKB/Swiss-

Prot Function]