

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223450 representing NM_028376
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCACTTGCAGAACTTACTGTTAGATACCCTGCTGGGGACGAAACACGTGGACAGCGCAGCCCTCA
TCAAACCCAGGAAAAGACCCTGTGTGTGACATCACCAGGATTTAGTGAATGCCAAGTGATGTTGGAAC
ACTTCTGAATGGATTTGCCAAAAACCCATTATTAACGCGAAGGGAAGGGTTGATTTCAAGGAGAAGGAT
TACAAATGTGTTCCGGCAGATGACTATTCTCTATGCTAAGAATGAGAACACTGGTGTGGTGGTGGTGA
AGACCAACATGTATCTTGTGGTGGCAACTTACTGCAGGCATGTATCCTAGCGTCTGCGTGAAGCCAC
AGAGAAGCTGGGAGATATCTAAGGAAAAGGAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223450 representing NM_028376
Red=Cloning site Green=Tags(s)

MSHLQNLLEDLTLGKHXVDSAAIKLQEKTLCVTSPGFSVMPDVRTLLNGFAKNPLLTRREGLYFKEKD
YKCVRADDYSLYAKNENTGVVVVKTNMYLVVATYTAGMYPVCVEATEKLGELYLRKKGK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_028376.4
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 (PtdIns(4,5)P ₂), phosphatidylinositol 4-phosphate (PtdIns(4)P) and phosphatidic acid (PA). Does not bind to actin, contrary to other family members (By similarity).[UniProtKB/Swiss-Prot Function]