

Product datasheet for **RG224947**

PFN3 (NM_001029886) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PFN3 (NM_001029886) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PFN3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224947 representing NM_001029886
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGACTGGAAGGTCTACATCAGTGCAGTGTGCGGGACCAGCGCATCGACGACGTGGCCATCGTGG
GCCATGCGGACAACAGCTGCGTGTGGGCTTCGCGGCCCGGGGCCTGCTGGCGGCCATCTCGCCGAGGA
GGTGGGCGTGTACAGGGCCGGACAGGCACACCTTCTGCAGGCGGGCCTGAGCGTGGGGGGCCCGCC
TGCTGCGTCATCCGCGACCACCTGCTGGCCGAGGGTGACGGCGTGTGGACGCACGCACCAAGGGGCTGG
ACGCGCGCGCCGTGTGCGTGGCCGTGCCCGCGCGCTCCTGGTGCTAATGGGCCGACGCGCGGTACA
TGGGGCATCCTCAACAAGACGGTGCACGAACATACGCGGGCTGCGCATGCAGGGCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224947 representing NM_001029886
Red=Cloning site Green=Tags(s)

MGDWKYYISAVLRDQRIDDVAIVGHADNSCVWASRPGLLAAISPQEVGVLTPDRHTFLQAGLSVGGRR
CCVIRDHLLAEGDGVLDARTKGLDARAVCVGRAPRALLVLMGRRGVHGGILNKTVHELIRGLRMQGA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001029886

ORF Size: 411 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:

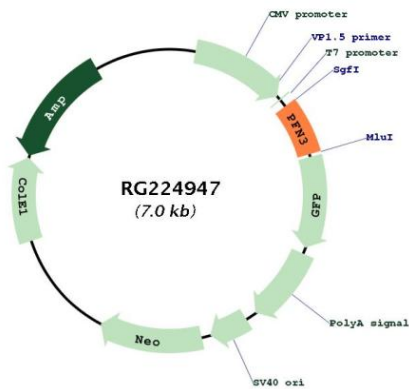
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001029886.3](#)

RefSeq Size: 414 bp

RefSeq ORF: 414 bp
Locus ID: 345456
UniProt ID: [P60673](#)
Cytogenetics: 5q35.3
Protein Pathways: Regulation of actin cytoskeleton
Gene Summary: The product of this gene belongs to the profilin family of proteins. This protein binds to actin and affects the structure of the cytoskeleton. It also may be involved in spermatogenesis. It is a single exon gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224947