

Product datasheet for **RG203137**

PFDN4 (NM_002623) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PFDN4 (NM_002623) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PFDN4
Synonyms: C1; PFD4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203137 representing NM_002623
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCCACCATGAAGAAGCGGCTGCAGAAGATGTCAATGTTACTTTTCAAGATCAACAAAAGATAA
 ACAAAATTTGCACGAATACAAGTAGAATCACAGAGCTGAAGGAAGAAATAGAAGTAAAAAGAAACAAC
 CCAAAACCTAGAAGATGCTTGTGATGACATCATGCTTGCAGATGATGATTGCTTAATGATACCTTATCAA
 ATTGGTGTGCTTCATTAGCCATTCTCAAGAAGAAACGCAAGAAATGTTAGAAGAAGCAAGAAAAATT
 TGCAAGAAGAAATTGACGCCTTAGAATCCAGAGTGGAATCAATTCAGCGAGTGTTAGCAGATTTGAAAGT
 TCAGTTGTATGCAAAATTCGGGAGCAACATAAACCTTGAAGCTGATGAAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203137 representing NM_002623
 Red=Cloning site Green=Tags(s)
 MAATMKKAAAEDVNVTFEDQQKINKFARNTSRITELKEEIEVKKKQLQNLEDACDDIMLADDDCLMIPYQ
 IGDVFIHSQEETQEMLEEAKKNLQEEIDALESRVESIQRVLADLVYAKFGSNINLEADES

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_002623

ORF Size: 402 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.

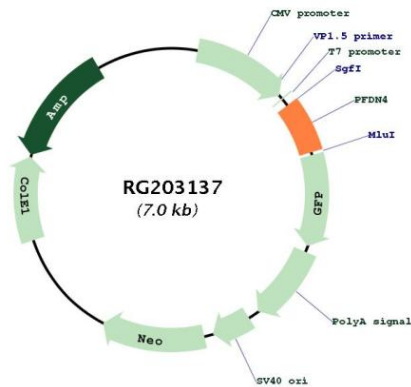
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_002623.4](#)

RefSeq Size: 1383 bp

RefSeq ORF:	405 bp
Locus ID:	5203
UniProt ID:	Q9NQP4
Cytogenetics:	20q13.2
Domains:	KE2
Gene Summary:	This gene encodes a member of the prefoldin beta subunit family. The encoded protein is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203137