

Product datasheet for **RG231743**

PFD6 (PFDN6) (NM_001265595) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PFD6 (PFDN6) (NM_001265595) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PFDN6
Synonyms: H2-KE2; HKE2; KE-2; PFD6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231743 representing NM_001265595
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGATCCAGAAGAAGCTACAGGGAGAAGTGGAGAAATATCAACAGCTACAGAAGGACTTAA
GTAATCCATGTCGGGGAGGCAGAACTGAAGCACAACAAACAGAAAATAATATCGTGAAAGAGGAACT
GGCCCTGCTGGATGGGTCCAACGTGGTCTTTAACTTCTGGGTCCGGTGTAGTCAAACAGGAGCTGGG
GAGGCTCGGGCCACAGTAGGGAAGAGGCTGGACTATATCACAGCTGAAATTAAGCGATACGAATCCAGC
TTCGGGATCTTGAGCGGCAGTCAGAGCAACAGAGGGAGACCTTGCTCAGCTGCAGCAGGAGTCCAGCG
GGCCAGGCAGCAAAGGCAGGGGCTCCTGGCAAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231743 representing NM_001265595
Red=Cloning site **Green**=Tags(s)
MAELIQKQLQGEVEKYQLQKDLKSKSMSGRQKLEAQLTENNIVKEELALLDGSNVVFKLLGPVLVKQELG
EARATVGKRLDYITAEIKRYESQLRDLERQSEQRETLAQLQQEFQRAQAAGAGAPGKA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

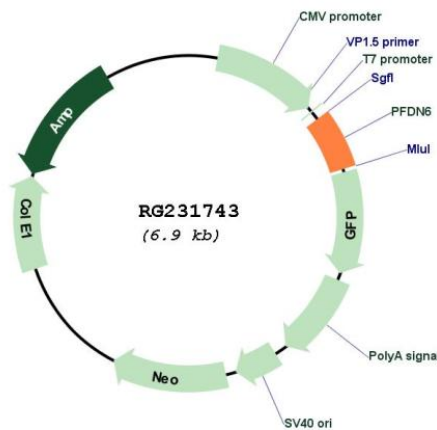


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001265595

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:	<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_001265595.2
RefSeq Size:	597 bp
RefSeq ORF:	390 bp
Locus ID:	10471
UniProt ID:	O15212
Cytogenetics:	6p21.32
Protein Families:	Stem cell - Pluripotency
Gene Summary:	PFDN6 is a subunit of the heteromeric prefoldin complex that chaperones nascent actin (see MIM 102560) and alpha- and beta-tubulin (see MIM 602529 and MIM 191130, respectively) chains pending their transfer to the cytosolic chaperonin containing TCP1 (MIM 186980) (CCT) complex (Hansen et al., 1999 [PubMed 10209023]).[supplied by OMIM, Jul 2010]