

Product datasheet for **RG208482**

PFDN3 (VBP1) (NM_003372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFDN3 (VBP1) (NM_003372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PFDN3
Synonyms:	HIBBJ46; PFD3; PFDN3; VBP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208482 representing NM_003372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCGTTAAGGACAGTTGTGGCAAAGGAGAAATGGCCACAGGGAATGGCGCGCGCTCCACCTGG
GGATTCCTGAGGCCGTGTTGTGGAAGATGTAGATTCCTTCATGAAACAGCCTGGGAATGAGACTGCAGA
TACAGTATTAAGAAGCTGGATGAACAGTACCAGAAGTATAAGTTTATGGAACCAACCTTGCTCAAAG
AAAAGAAGGCTAAAAGGTCAGATTCCTGAAATTAACAGACTTTGAAATCTAAATACATGCAGAAGA
AAAAGAGTCCACCAACTCAATGGAGACCAGATTCCTGCTGGCAGATAACCTGTATTGCAAAGCTTCAGT
TCCTCCTACCGATAAAGTGTGTCTGTGGTTGGGGCTAATGTAATGCTTGAATATGATATTGATGAAGCT
CAGGCATTGTTGAAAAGATTTATCGACTGCCCAAAGAATCTTGATTCCTGGAGGAAGACCTTGACT
TTCTTCGAGATCAATTTACTACCACAGAAGTCAATATGCCAGGGTTTATAATTGGGATGTAAAAAGAAG
AAACAAGGATGACTCTACCAAGAACAAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG208482 representing NM_003372 Red=Cloning site Green=Tags(s)
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MAAVKDSCGKGEMATGNRRHLGIPEAVFVEDVDSFMKQPGNETADTVLKKLDEYQYKFMELNLAQK
KRRKKGQIPEIKQTLIILKYMQKKKESTNSMETRFLADNLCKASVPPTDKVCLWLGANVMLEYDIDEA
QALLEKNLSTATKNLDSLEEDLDFLRDQFTTTEVNMARVYNWDVKRRNKDDSTKNKA

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:


ACCN: NM_003372

ORF Size: 591 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_003372.7](#)

RefSeq Size: 1793 bp

RefSeq ORF: 594 bp

Locus ID: 7411

UniProt ID: [P61758](#)

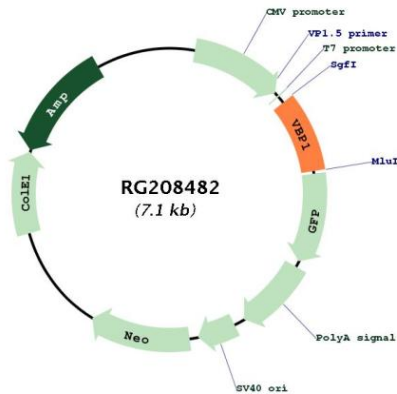
Cytogenetics: Xq28

Domains: DUF232

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene interacts with the Von Hippel-Lindau protein to form an intracellular complex. The encoded protein functions as a chaperone protein, and may play a role in the transport of the Von Hippel-Lindau protein from the perinuclear granules to the nucleus or cytoplasm. Alternative splicing and the use of alternate transcription start sites results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Jan 2015]

Product images:



Circular map for RG208482