

Product datasheet for **SC118556**

PFDN4 (NM_002623) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFDN4 (NM_002623) Human Untagged Clone
Tag:	Tag Free
Symbol:	PFDN4
Synonyms:	C1; PFD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118556 sequence for NM_002623 edited (data generated by NextGen Sequencing) ATGGCGGCCACCATGAAGAAGGCGGCTGCAGAAGATGTCAATGTTACTTTGAAGATCAA CAAAAGATAAACAAATTTGCACGGAATACAAGTAGAATCACAGAGCTGAAGGAAGAAATA GAAGTAAAAAAGAAACAACCTCCAAAACCTAGAAGATGCTTGTGATGACATCATGCTTGCA GATGATGATTGCTTAATGATACCTTATCAAATTGGTGATGTCTTCATTAGCCATTCTCAA GAAGAAACGCAAGAAATGTTAGAAGAAGCAAAGAAAAATTTGCAAGAAGAAATTGACGCC TTAGAATCCAGAGTGGAATCAATTCAGCGAGTGTTAGCAGATTTGAAAGTTCAGTTGTAT GCAAAATTCGGGAGCAACATAAACCTTGAAGCTGATGAAAGTTAA Clone variation with respect to NM_002623.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002623 unedited
 TGTGACAGGATATTTGTAATACGAACCTCACTATAGGNNCGGCCGCGNAATTCGGCAC
 GAGGCCAAAAGTCCAAAAGGACGGAATGTGGAGACAGTGTGTATTTTGCGGGGAGTTC
 TAGGCCGACCGGGAGCGAGAGAACGCTCGGGGGCGAAGCGCGCCATTGCGGCCCTCCCCG
 CCGCTGCGGTAGTCCAGTCCCAAGATGGCGGCCACCATGAAGAAGGCGGCTGCAGAAGA
 TGTCAATGTTACTTTCAAGATCAACAAAAGATAAACAAATTTGCACGGAATACAAGTAG
 AATCACAGAGCTGAAGGAAGAAATAGAAGTAAAAAGAAACAACCTCCAAACCTAGAAGA
 TGGTTGTGATGACATCATGCTTGACAGATGATGATTGCTTAATGATACCTTATCAAATTGG
 TGATGTCTTCATTAGCCATTCTCAAGAAGAAACGCAAGAAATGTTAGAAGAAGCAAGAA
 AAATTTGCAAGAAGAAATTGACGCCTTAGAATCCAGAGTGGAATCAATTCAGCGAGTGTT
 AGCAGATTTGAAAGTTCAGTTGTATGCAAAATTCGGGAGCAACATAAACCTTGAAGCTGA
 TGAAAGTTAAACATTTTATAACTTTTTTTATTTGTTTAACTTGAATATTGTTTAA
 AAATGATAATTTTCTTCTTCAAATGACATGGAAAGCAAACTTTCTTTTTTAAAAATT
 TTCATTTATTTAATGGAACTTGCCCATTTTACATGGCTGCTTATTTATTTTATTTTT
 TAAAGAAGACCGTATTCACCTATGTATTTGCATAACGATTATATCAAGTCTAGGGGCT
 TCATGTCATGTTATTAATAATCAGTTAAGCAATCCACAAAAAATAAACTCGACTCT
 AGATTGCGGCCGCGTTATAGCTGTTTCTGGACCAGATCCCGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002623 unedited
 TGGACCGCGCGCCGATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGATTGCTTAAGT
 ATTTTAATAACATGACATGAAGCCCTAGACTTGATATAATCGTTATGCAAAATACATAG
 GTGAATACTGTCTTCTTTAAAAATATAAAATAAATAAGCAGACATGTGAAATGGGCAA
 GTTTCATTAATAAATGAAATTTTTAAAAAAGAAAGTTTGTCTTCCATGTCATTTG
 AAGAAGGAAAATTATCATTTTAAACAATATTCAAGTTTATTAAACAAATAAAAAAGTAT
 TATAAAATGTTTAACTTTTCATCAGCTTCAAGGTTTATGTTGCTCCGAATTTTGATACA
 ACTGAACTTTCAAATCTGCTAACACTCGCTGAATTGATTCCACTCTGGATTCTAAGGCGT
 CAATTTCTTCTGCAATTTTCTTTGCTTCTTCTAACATTTCTTGCCTTCTTCTTGAG
 AATGGCTAATGAAGACATCACCATTGATAAGGTATCATTAAAGCAATCATCATCTGCAA
 GCATGATGTCATCACAAGCATCTCTAGGTTTTGGAGTTGTTTCTTTTTACTTCTATTT
 CTTCTTCAGCTCTGTGATTCTACTTGTATCCGTGCAAAATTTGTTATCTTTTGTGAT
 CTTGAAAGTAACATTGACATCTTCTGCAGCCGCTTCTCATGGTGGCCGCCATCTTGG
 GACTGGACTACCGCANGCGCGGNGAGGGCCGCAATGGCGCGCTTCGCCCCGAGCGTTC
 TCTCGCTCCCGGTCGGCCTAGAACTNCCCGCAAAATACAACACTGTCTNACATTCTGTC
 TCTGNACTTTTGCCTCGTGCCGAATTCGCGGCGNCCTATAGTGAGTCGTATACAAAATN
 CTGACGGTCACTAACGAGCTTGCTAATAGACTCCACGTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_002623

Insert Size:

780 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_002623.3, NP_002614.2</u>
RefSeq Size:	1383 bp
RefSeq ORF:	405 bp
Locus ID:	5203
UniProt ID:	<u>Q9NQP4</u>
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]