

## Product datasheet for **SC118557**

### **PFDN5 (NM\_002624) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PFDN5 (NM_002624) Human Untagged Clone
Tag:	Tag Free
Symbol:	PFDN5
Synonyms:	MM-1; MM1; PFD5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002624, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGCAGTCTATTAACATCACGGAGCTGAATCTGCCGAGCTAGAAATGCTCAAGAACCAGCTGGACC
AGGAAGTGGAGTTCTTGTCCACGTCCATTGCTCAGCTCAAAGTGGTACAGACCAAGTATGTGGAAGCCAA
GGACTGTCTGAACGTGCTGAACAAGAGCAACGAGGGGAAAGAATTACTCGTCCCCTGACGAGTTCTATG
TATGTCCCTGGGAAGCTGCATGATGTGGAACACGTGCTCATCGATGTGGAACTGGGTACTATGTAGAGA
AGACAGCTGAGGATGCCAAGGACTTCTTCAAGAGGAAGATAGATTTTCTAACCAAGCAGATGGAGAAAAT
CCAACCAGCTCTCAGGAGAAGCAGCCATGAAACAGGCCGTCATGGAATGATGAGTCAGAAGATTCAG
CAGCTCACAGCCCTGGGGCAGCTCAGGCTACTGCTAAGGCTGA
```

#### **5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_002624 unedited
CACGAGGCCTCGTGCCGAATTCGGCACGAGGGCCTTCCCAACATGGCGCAGTCTATTA
CATCACGGAGCTGAATCTGCCGAGCTAGAAATGCTCAAGAACCAGCTGGACCAGGAAGT
GGAGTTCTTGTCCACGTCCATTGCTCAGCTCAAAGTGGTACAGACCAAGTATGTGGAAGC
CAAGGACTGTCTGAACGTGCTGAACAAGAGCAACGAGGGGAAAGAATTACTCGTCCCCT
GACGAGTTCTATGTATGTCCCTGGGAAGCTGCATGATGTGGAACACGTGCTCATCGATGT
GGAACTGGGTACTATGTAGAGAAGACAGCTGAGGATGCCAAGGACTTCTTCAAGAGGAA
GATAGATTTTCTAACCAAGCAGATGGAGAAAATCCAACCAGCTCTTCAAGGAGAAGCACGC
CATGAAACAGGCCGTCATGGAATGATGAGTCAGAAGATTCAGCAGCTCACAGCCCTGGG
GGCAGCTCAGGCTACTGCTAAGGCTGAGAGTTTTTGCAGAAATGGGGCAGAGGGACACC
CTTTGGGCGTGGCTTCTGCTGATGGGAAG
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_002624 unedited GTACCGCGGCCCAATCTAGAGTCGAGTTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTACTTTTTGGCCCACTGGGACATTTATTGGGATTAACAACAAGAACCT TCCATTACCACGAAACAAACCCAAAGGGGGCCCTTTGGCCATTTTTGGAAAACCC TCAGGGCTTAAAAATAACCTGGGCTGCCCAAGGGTGGGAGCCGGCGAAACTTTTGAAT CAACATTTCCATGACGGCCCGTTTATGGCGGGCTTTTCTTGAAAAACTGGGTGGATTT TTCCATTTGGTTGGTAAAAAACTATTTTTCTTTGAAAAAGCCTTGGGATTCTTACC TGGCTTCTCTAAATAATACCCAGTTCCCAAATCGATGAACACGGGTCCAAAATATGGAG CTTCCAAGGACATACACAAAAATCGGCAGGGGACCAGGAAATTTTTCCCTCGGTGGT CTTGTTCAACACGGTCAACAGGTCTTGCTTTACATACTTGACCTGGACCCACTTGAG CTGAGCAATGGGACGGGAACCGAACTCCACTTCCGGGTACCTGGGTTTTGAGCATTTC TAACTGGGGGAGAACCACATTCGCGCAGGTAAAAAACTGGGCCACGGTGGGAAGGCCCT CTGGCGCAAACCGCAAGAAGGCCTGGGGCGAAATTCGGGCCCTAATATGAGCCCA TTAACCAATTCTGACGTTCACTAAACCCAGTTTGGTTTAAAAAACCCTCCACCGACCCC CACCGCATTGGGTAAGGGGGGGTTTTACCCACTCCTCGAAGCCGCTGATTTGTGGC AAAAAACTNCATTACACGAAGGGGGGACTCGGAACCCCGTAGTAACCGTTTACCC CATTGGGTATGCCAACGGTACCCGGATACGGGGACTTACCTTACGCCTGCACACCGA AACCCCAAGGTTGCCTGGCATAGCCAGCGCCATTACGTATTGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002624
<b>Insert Size:</b>	720 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_002624.2</a></u> , <u><a href="#">NP_002615.2</a></u>
<b>RefSeq Size:</b>	661 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	5204
<b>UniProt ID:</b>	<u><a href="#">Q99471</a></u>
<b>Cytogenetics:</b>	12q13.13
<b>Domains:</b>	DUF232

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a member of the prefoldin alpha 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. The encoded protein may also repress the transcriptional activity of the proto-oncogene c-Myc. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longest isoform (alpha).