

Product datasheet for **SC108866**

PFD6 (PFDN6) (NM_014260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFD6 (PFDN6) (NM_014260) Human Untagged Clone
Tag:	Tag Free
Symbol:	PFD6
Synonyms:	H2-KE2; HKE2; KE-2; PFD6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014260 edited ATGGCGGAGCTGATCCAGAAGAAGCTACAGGGAGAAGTGGAGAAATATCAACAGCTACAG AAGGACTTAAGTAAATCCATGTCGGGGAGGCAGAAACTTGAAGCACAACCTAACAGAAAAT AATATCGTGAAAGAGGAACTGGCCCTGCTGGATGGGTCCAACGTGGTCTTTAAACTTCTG GGTCCGGTGCTAGTCAAACAGGAGCTGGGGGAGGCTCGGGCCACAGTAGGGAAGAGGCTG GACTATATCACAGCTGAAATTAAGCGATACGAATCCCAGCTTCGGGATCTTGAGCGGCAG TCAGAGCAACAGAGGGAGACCCTTGCTCAGCTGCAGCAGGAGTTCAGCGGGCCAGGCA GCAAAGGCAGGGGCTCCTGGCAAGGCCTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014260 unedited CACGAGGGGGAGCTCAGGTACCTTCCAGAGAGTGAGACCCAGCGCCCTTGCTCGCACCC AGTAGGCTTTCATCCCCGCCATGGCGGAGCTGATCCAGAAGAAGCTACAGGGAGAAGTGG AGAAATATCAACAGCTACAGAAGGACTTAAGTAAATCCATGTCGGGGAGGCAGAACTTG AAGCACAACCTAACAGAAAATAATATCGTGAAAGAGGAACTGGCCCTGCTGGATGGGTCCA ACGTGGTCTTTAAACTTCTGGGTCCGGTGCTAGTCAAACAGGAGCTGGGGGAGGCTCGGG CCACAGTAGGGAAGAGGCTGGACTATATCACAGCTGAAATTAAGCGATACGAATCCCAGC TTCGGGATCTTGAGCGGCAGTCAGAGCAACAGAGGGAGACCCTTGCTCAGCTGCAGCAGG AGTTCCAGCGGGCCAGGAGCAAGGCAGGGGCTCCTGGCAAGGCCTGACCCCATGGTG GGGGGAGGGGAGG



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014260 unedited CTTGGACCGCCGCAATCTAGNAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGT TTTACATTTTATTAGCTACAGTATAGATACCTAAAGCTGCCTCATTCCCTCCCCTCCCCT CCCCTTCCCCACCATGGGGTCAGGCCTTGCCAGGAGCCCCTGCCTTTGCTGCCTGGGCC CGCTGGAACCTCTGCTGCAGCTGAACAAGGGTCTCCCTCTGTTGCTCTGACTGCCGCTCA AGATCCCGAAGCTGGGATTCTGATCGCTAATTTTCAGCTGTGATATAGTCCAGCCTCTTC CCTACTGTGGCCGAGCCTCCCCAGCTCCTGTTGACTAGCACCGGACCCAGAAGTTTA AAGACCAGTTGGACCCATCCAGCAGGGCCAGTTCCTCTTTCACGATATTATTTCTGTT AGTTGGGCTTCAAGTTTCTGCCTCCCCGACATGGATTTACTTAAGTCCTTCTGCACCTGC CGACATTTCTCCACTTATCCCTGAAGCCTCTTTAGGAATATCTCCTCCATGGGGGGGATG AAACCTTACTGGGTGCCACACACGGCTCCGGCGGTTTACCCTTGAAGGCACCTGCCAT CCCCTCCCGCCAATTCCCCGTTTTCTTATCCCCCTTCGTTCCCCACCTATTCCCCCT TCCTAGCATCGCCTTTTACGTACACCTTCTCCTGTTTACGCTCATCGCGCTCCGGTTA TCGTCGCCCCCGCTTCCCCCATCCCTCTCTGCGCCCCCTTCCGCGTTTCTCCCCC TTTTTCCCTTCCATCCCCCCCCGCCCTCGCTCTACTACCGCCCCCGCTNTCCC TCTTTCTCTCGGTCTCCGGANCCCTCCGGGGCGCGGGACGCGCGCTACGCTCGGGCGTG TTGTAGTGCCGCGTCCGCCCGCGTTTCTCGCGTATGGACGCGCCCGCTCCGCNCG CCGCGTNCGTGNTCCCTGTGCGCCGTCTCCTGTTCTCGTCTCCGCGGATTG
Restriction Sites:	NotI-NotI
ACCN:	NM_014260
Insert Size:	5000 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:	<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:	<u>NM_014260.2</u> , <u>NP_055075.1</u>
RefSeq Size:	605 bp
RefSeq ORF:	390 bp
Locus ID:	10471
UniProt ID:	<u>O15212</u>
Cytogenetics:	6p21.32
Domains:	KE2

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]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.