

Product datasheet for **SC320106**

Profilin 4 (PFN4) (NM_199346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Profilin 4 (PFN4) (NM_199346) Human Untagged Clone
Tag:	Tag Free
Symbol:	Profilin 4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_199346.1 GGTCGCCGGGTCCTTGCGGGCACCACAGAGCGGGTGGCGTCCGCTCCCTCGAGTCCTCG GTGCCAGGAATTCACCGCTCACCACCCCTGCCCGCCTTGGGTCTGCTCGGGGACCA AATCACTGGAAGCAGTGGCGGAAACGGCGCCTGTGCCGAGAGTTGAGGGAACATGA GCCATTTGCAGAGCTTATTGTTAGACACCCTCTTGGGAACCAAGCATGTGGACAGTGCAG CCCTCATCAAAATCCAGGAGCGGAGCTTGTGTGTAGCATCACCAGTTTCAATGTAACGC CCAGTGATGTCCGAACACTGGTGAATGGATTTGCCAAGAACCCTTGAAGCCCGAAGAG AAGGACTGATTTCAAGGAAAAGATTACAGATGTGTCCGGGCAGATGAATATTCTCTTT ATGCCAAAAATGAGAACACTGGTGTGGTGTGCGTAAGACCCATCTGTATCTTCTGGTAG CAACTTACACTGAGGGCATGTATCCTAGCATCTGTGTGGAAGCCACAGAGAGCCTGGGAG ACTACCTAAGAAAAAAGGAAGTTAAGTCATCAGAGGCCCATGAAAGACAATTTTATTAT TTTAGAAGAAAATTGAAGAGCCTAAAGAAAAAATATTTTATGGTTGAAAAAACACTAGAC AGAAGGCACTAAAAAGAAGAATGAATTAAGGGAGCAATTTTATTACTTCCAGAGATCC TCTTCTTCACTGGAATTAAGTGAATTAAGGGAGCAATTTTATTACTTCCAGAGATCC AAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_199346
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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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_199346.1</u> , <u>NP_955378.1</u>
RefSeq Size:	792 bp
RefSeq ORF:	390 bp
Locus ID:	375189
UniProt ID:	<u>Q8NHR9</u>
Cytogenetics:	2p23.3
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P ₂), phosphatidylinositol 4-phosphate (PtdIns(4)P) and phosphatidic acid (PA). Does not bind to actin (PubMed:19419568), contrary to other family members. [UniProtKB/Swiss-Prot Function]