

Product datasheet for **SC108660**

FNBPIL (NM_017737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FNBPIL
Synonyms:	C1orf39; TOCA1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_017737, the custom clone sequence may differ by one or more nucleotides

```

ATGAGCTGGGGCACGGAGCTGTGGGATCAGTTCGACAGCTTAGACAAGCATACACAATGGGGAATTGACT
TCTTGAAAGATATGCCAAATTTGTTAAAGAGAGGATAGAAATTGAACAGAACTATGCGAAACAATTGAG
AAATCTGGTTAAGAAGTACTGCCCAAACGTTTCATCCAAGATGAAGAGCCACGTTTACCTCGTGTGA
GCCTTTTTTAAATATCCTTAATGAGTTAAATGACTATGCAGGACAGCGAGAAGTTGTAGCAGAAGAAATGG
CGCACAGAGTGTATGGTGAATTAATGAGATATGCTCATGATCTGAAAACTGAAAGAAAAATGCATCTGCA
AGAAGGACGAAAAGCTCAACAATATCTTGACATGTGCTGGAACAGATGGATAATAGTAAAAAGAAGTTT
GAAAGAGAATGTAGAGAGGCAGAAAAGGCACAACAGAGTTATGAAAGATTGGATAATGATACTAATGCAA
CCAAGGCAGATGTTGAAAAGGCCAAACAGCAGTTGAATCTGCGTACGCATATGGCCGATGAAAAATAAAA
TGAATATGCTGCACAATTACAAAACCTTTAATGGAGAACAACATAAACATTTTTATGTAGTGATTCTCAG
ATTTACAAGCAACTACAAGAAATGGACGAACGAAGGACTATTAACCTCAGTGAGTGTTACAGAGGATTTG
CTGACTCAGAACGCAAAGTTATTCCCATCATTTCAAAATGTTTGAAGGAATGATTCTTGACGACAAATC
AGTTGATGAAAGAAGAGACTCTCAAATGGTGGTAGACTCCTTCAAATCTGGTTTGAACCTCAGGAGAC
TTTCCATTTGAAGATTACAGTCAACATATATATAGAACCATTTCTGATGGGACTATCAGTGCATCCAAAC
AGGAGAGTGGGAAGATGGATGCCAAAACACAGTAGGAAAGGCCAAGGGCAAATTTGTGGCTCTTTGAAA
GAAGCCAAAGGGCCAGCACTAGAAGATTTCACTCATCTGCCACCAGAACAGAGACGTAAAAAATACAG
CAGCGCATTGATGAACTTAACAGAGAATACAGAAAGAATCAGACCAAAAAGATGCACTCAACAAAATGA
AAGATGTATATGAGAAGATCCACAATGGGGATCCAGGGAGTTTGACGCCTAAATTAGCAGAGACCAT
GAATAACATTGACCGCTACGAATGGAATCCATAAGAATGAGGCTTGGCTCTCTGAAGTCGAAGGCAAA
ACAGGTGGGAGAGGAGACAGAAGACATAGCAGTGACATAAATCATCTTGAACACAGGGACGAGAAAGTC
CTGAGGGAAGTTACACTGATGATGCAAAACAGGAAGTCCGTGGGCCACCCAGCAGCATGGTCACCACAA
TGAGTTTGATGATGAATTTGAGGATGATGATCCCTTGCTGCTATTGGACACTGCAAAGCTATCTACCCT
TTTGATGGACATAATGAAGTACTCTAGCAATGAAAGAAGGTGAAGTTCTCTACATTATAGAGGAGGACA
AAGGTGACGGATGGACAAGAGCTCGGAGACAGAACGGTGAAGAAGGCTACGTTCCACGTCATACATAGA
TGTAACCTTAGAGAAAAACAGTAAAGGTTCTGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017737 unedited

```

TCAGATTTTGTAAACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGGCACAACA
GAGTTATGAAAGATTGGATAATGATACTAATGCAACCAAGGCAGATGTTGAAAAGGCCAA
ACAGCAGTTGAATCTGCGTACGCATATGGCCGATGAAAATAAAAAATGAATATGCTGCACA
ATTACAAAACCTTTAATGGAGAACAACATAAACATTTTTATGTAGTGATTCTCAGATTTA
CAAGCAACTACAAGAAATGGACGAACGAAGGACTATTAACCTCAGTGAGTGTTACAGAGG
ATTTGCTGACTCAGAACGCAAAGTTATTCCCATCATTTCAAAATGTTTGAAGGAATGAT
TCTTGACGACAAAATCAGTTGATGAAAGAAGAGACTCTCAAATGGTGGTAGACTCCTTCAA
ATCTGGTTTTGAACCTCCAGGAGACTTTCCATTTGAAGATTACAGTCAACATATATATAG
AACCATTTCTGATGGGACTATCAGTGATCCAAACAGGAGAGTGGGAAGATGGATGCCAA
AACCACAGTAGGAAAGGCCAAGGGCAAATTTGTGGCTCTTTGAAAAGAAGCCAAAGGGCCC
AGCACTAGAAGATTTCACTCATCTGCCACCAGAACAGAGACGTAAAAAATACAGCAGCG
CATTGATGAACTTAACAGAGAATACAGAAAGAATCAGACCAAAAAGATGCACTCAACAA
AATGAAAGATGTATATGAGAAGATCCACAATGGGGGATCCAGGGAGTTTGACGCCTAA
TTAGCAGAGACCATGAATACATTGACCGCTACGAATGGAATCATAGATGAGGCTTGG
CTCTCTGAAGTCGAAGCAANACAGGTGGGAGAGGAGACAGAGACCTTAGCGTGACATAAT
CATCTTGACACAGGACCAGAAGTCTGGAGGAAGTCACTGTGATCAACCAGAAATCCTGG
GCC
    
```

Restriction Sites: NotI-NotI

ACCN: NM_017737

Insert Size: 3510 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017737.1 , NP_060207.1
RefSeq Size:	4068 bp
RefSeq ORF:	4068 bp
Locus ID:	54874
UniProt ID:	Q5T0N5
Cytogenetics:	1p22.1
Domains:	SH3

Gene Summary:

The protein encoded by this gene binds to both CDC42 and N-WASP. This protein promotes CDC42-induced actin polymerization by activating the N-WASP-WIP complex and, therefore, is involved in a pathway that links cell surface signals to the actin cytoskeleton. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks two alternate in-frame exons compared to variant 3. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 3.