

Product datasheet for **SC100848**

FNBP4 (NM_015308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNBP4 (NM_015308) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNBP4
Synonyms:	FBP30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100848 sequence for NM_015308 edited (data generated by NextGen Sequencing)

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ATGGGGAAGAAGTCCCGGCGGTACCCGGCCGTAGGCCCATCCTGCAACTCTCTCCGCCG
GGTCCTCGGGGCAGCACGCCGGGCGGGACCCGGAGCCGGAACCCGACACTGAGCCGGAC
TCAACCGCGCGGTCCCCAGCCAGCCGCCGCCCGTCGGCGGCGACGACCACCACCCGCG
GTGACTGCCGCCGCGGCTCGGACGACTCGCCTTCAGAAGATGAACAGGAAGCGGTGCAG
GAGGTTCTAGAGTTGTTTCAAGTCTCCAAAACCACTCATGACCACTAGACCCACAGCT
GTTAAAGCAACAGGCGGTCTATGCTTGCTTGGTCTTATGCTGACAGTGATGACGATGAC
AATGATGTTTCCGAAAACTAGCACAATCCAAAGAGACAAATGGAACCACTCACTGAT
ATTGATAGTACATTGGCCAACTTCTAGCGGAGATCGATGCCATAACAGCTCCTCAGCCT
GCAGCTCCTGTAGGAGCTTCTGCTCCACCTCCAACCTCCACCTCGACCAGAGCCAAAGGAA
GCAGCAACATCTACCTTTCTTCTTCTACTTCAAATGGAACAGACTCCACCCAAACATCT
GGTTGGCAATATGATACTCAGTGTTCACTGGCAGGAGTCGGAATTGAGATGGGCGATTGG
CAGGAAGTCTGGGATGAGAACACGGGATGTTATTATTATTGGAATACACAAACAAATGAA
GTGACTTGGGAGTTACCCCAATATCTTGCCACACAGGTACAGGGATTACAGCATTACCAG
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GAACAAGATACCTTTGAAGTGGAGCTAGTTTTGGAAGGAAAAAGCAGAGTTGCGAGCC
TTGGAGGAAGGAGATGGTAGTGTGTGAGGTCTAGTCCACGTTCTGATATCAGCCAGCCA
GCATCTCAAGATGGAATGCGTAGGCTTATGTCTAAAGAGGAAAAAGGAAGATGTTTGT
CGAGCTACCAAGTCCAGAATCTACCAAGTAGGAGTTCTAGTAAAGTGGACGAGATACTCCA
GAAAATGGAGAACTGCAATTGGTGCTGAAAATTCAGAAAAAATAGATGAGAATTCAGAT

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AAAGAGATGGAAGTAGAAGAATCTCCAGAGAAAATAAAAGTACAGACAACACCAAAAGTA
GAAGAAGAACAGGATTTGAAATTTAGATTGGAGAACTGGCAAATACCCTGACAAGTAA
TTCGAGTTTCTAGGCATTAATAGACAATCCATCTCCAACCTTTCATGTGCTGCTCTTACAG
ACTGAGACTCGAATTGCAGACTGGCGGGAAGGGGCTCTTAATGGAACACTACCTTAAACGA
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GAGTCTCAGTGGGAGTTTCCAGATGGTGAAGAGGAAGAAGAAGCAAGCACAAGAA
AATAGAGATGAGACTCTTGCCAAACAGACCTTGAAAGACAAAAGTGGCACTGATTCAAAT
TCAACAGAATCCTCTGAAACTTCCACAGTTCTCTTTGTAAGAATCCTTTCTGTGTC
GTTTCTTCTTCACTCATGCCACTTACTCCATTCTGGACCCTCCTTCAGTCAAATGTT
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TCACCTCCACCCCTCCTCCACCACCTCCTCTGCGGAAGATGGTGAGATCCAGGAGGTA
GAGATGGAGGATGAGGGAAGTGAAGAGCCCTGCCCCAGGAACAGAGGAAGATACCCCT
TTGAAACCTTCAGCACAACACAGTTGTAAGTACCCAGAGTTTCAGTTGATTCCACCATC
TCTAGTTCTTCTTCCACTAAAGGAATAAAGAGGAAAGCTACAGAAATTAGCACTGCAGTG
GTTTCAGAGGTCAGCTACCATTGGCAGTTCTCCAGTTCTCTATAGCCAGTCAGCTATAGCT
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CCAGTTAGCCTTCCAGCAGCAGGAATGGGTATCAGGCCAGAGGAATGAGCCTGCAGTCA
AATTACCTTGGACTAGCGGCAGCACCTGCAATTATGAGTTATGCAGAATGTTCTGTCCCA
ATTGGAGTGACTGCTCCCTCATTGCAGCCAGTTTCAGGCCGAGGTGCTGTGCCTACCGCT
ACCATTAAGAACCACCAACCACTCCTCCTCCTCCTCCTCCACCACCAACAGCTCCC
AAAATGCCACCACCTGAAAGACAAAAAAGGAAGGAAGACAAGGCAAGAAGAGTAAG
ACCAAAATGCCATCTTTGGTAAAAAGTGGCAGAGTATCCAGCGTGAGTTAGATGAAGAG
GACAAATTCAGTTCCAGTGAAGAGGATCGGGAATCAACTGCACAGAAGCGAATTGAAGAG
TGGAACAGCAGCAGCTGGTTAGTGGCATGGCAGAGAGAATGCTAATTTGAAGCCCTT
CCTGAGGATTGGAGAGCAAGGCTGAAGAGAAGGAAATGGCTCCAACACATAG

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Clone variation with respect to NM_015308.2

**5' Read Nucleotide
Sequence:**

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>OriGene 5' read for NM_015308 unedited
TTCAACAATATGTAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTTGGG
CTCGCGATGGGGAAGAAGTCCCGGGCGGTACCCGGCCGTAGGCCCATCCTGCAACTCTCT
CCGCGGGTCTCGGGGCAGCAGCCGGGCGGGACCCGGAGCCGGAACCCGACACTGAG
CCGGACTCAACCGCGGCGGTCCCGAGCCAGCCGCCCCGTGCGCGGCAGCAGCACCCGCG
GTGACTGCCGCCGCGGCTCGGACGACTCGCCTCAGAAGATGAACAGGAAGCGGTGCAG
GAGGTTCTAGAGTTGTTGAGAATCCTCCAAAACAGTCATGACCACTAGACCCACAGCT
GTTAAAGCAACAGGCGGTCTATGCTTGCTTGGTCTTATGCTGACAGTGATGACGATGAC
AATGATGTTTCCGAAAACTAGCACAATCCAAAGAGACAAATGGAACCAAGTCAACTGAT
ATTGATAGTACATTGGCCAACTTCTAGCGGAGATCGATGCCATAACAGCTCCTCAGCCT
GCAGCTCCTGTAGGAGCTTCTGCTCCACCTCCAACCTCCACCTCGACCAGAGCCAAAGGAA
GCAGCAACATCTACCTTTCTTCTTCTACTTCAAATGGAACAGACTCCACCCAAACATCT
GGTTGGCAATATGATACTCAGTGTTCACTGGCAGGAGTCGGAATTGAGATGGGCGATTGG
CANGAAGTCTGGGATGAGAACACGGGNATGTATTATTATTGGAATACACAAACCAATGAA
GTGACTTNGGGAGTACCCCATATCTTGCCACACAGGTACAGGGATTACAGCATTACAGCC
CCAGTCTGTGCCAGTGTNGAACTAGNTNTGTTGTTAATACAGACATATTCTAGGGAGA
AACGATNCTGTTNCAGTAGTAAAGTGGACAGTCTAGCCAGCGAGAAGTTAAAGAN

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Restriction Sites:

NotI-NotI

ACCN:

NM_015308

Insert Size:

4200 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_015308.1, NP_056123.1</u>
RefSeq Size:	3995 bp
RefSeq ORF:	3048 bp
Locus ID:	23360
UniProt ID:	<u>Q8N3X1</u>
Cytogenetics:	11p11.2
Domains:	WW
Gene Summary:	This gene encodes a protein containing two tryptophan-rich WW domains that binds the proline-rich formin homology 1 domains of formin family proteins, suggesting a role in the regulation of cytoskeletal dynamics during cell division and migration. It also binds intersectin family proteins suggesting a role in the maintenance of membrane curvature at sites of nascent vesicle formation. Naturally occurring mutations in this gene are associated with Waardenburg anophthalmia syndrome. [provided by RefSeq, Apr 2017] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.