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Product datasheet for SC324586

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_015308.1
CGCTCTCTGCTCGCGCTTGGGCTCGCGATGGGGAAGAAGTCCCGGGCGGTACCCGGCCGT
AGGCCCATCCTGCAACTCTCTCCGCCGGGTCCTCGGGGCAGCACGCCGGGCCGGGACCCG
GAGCCGGAACCCGACACTGAGCCGGACTCAACCGCGGCGGTCCCCAGCCAGCCCGCCCCG
TCGGCGGCGACGACCACCGCGGTGACTGCCGCCGCGGCCTCGGACGACTCGCCTTCAGAA
GATGAACAGGAAGCGGTGCAGGAGGTTCCTAGAGTTGTTCAGAATCCTCCAAAACCAGTC
ATGACCACTAGACCCACAGCTGTTAAAGCAACAGGCGGTCTATGCTTGCTTGGTGCTTAT
GCTGACAGTGATGACGATGACAATGATGTTTCCGAAAAACTAGCACAATCCAAAGAGACA
AATGGAAACCAGTCAACTGATATTGATAGTACATTGGCCAACTTCCTAGCGGAGATCGAT
GCCATAACAGCTCCTCAGCCTGCAGCTCCTGTAGGAGCTTCTGCTCCACCTCCAACTCCA
CCTCGACCAGAGCCAAAGGAAGCAGCAACATCTACCCTTTCTTCTTCTACTTCAAATGGA
ACAGACTCCACCCAAACATCTGGTTGGCAATATGATACTCAGTGTTCACTGGCAGGAGTC
GGAATTGAGATGGGCGATTGGCAGGAAGTCTGGGATGAGAACACGGGATGTTATTATTAT
TGGAATACACAAACAAATGAAGTGACTTGGGAGTTACCCCAATATCTTGCCACACAGGTA
CAGGGATTACAGCATTACCAGCCCAGTTCTGTGCCAGGTGCTGAAACTAGTTTTGTGGTA
AATACAGACATATATTCTAAGGAGAAAACGATTTCTGTTTCCAGTAGTAAAAGTGGACCA
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AGTGAGGAGGAGAAGAAAGGGGTGGCAGCATCGCTGCTTGCTCCTTTATTGCCTGAGGGA
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GAAGTAAAAGAAACAAGTACAACAGTAGAAGAAGCAACAACAATAGTAAAGCCACAGGAA
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GGAGAAAGTGAGGAGGAAGAGGAACAAGATACCCTTGAACTGGAGCTAGTTTTGGAAAGG
AAAAAAGCAGAGTTGCGAGCCTTGGAGGAAGGAGATGGTAGTGTGTCAGGGTCTAGTCCA
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AAAACTGGACGAGATACTCCAGAAAATGGAGAAACTGCAATTGGTGCTGAAAATTCAGAA
AAAATAGATGAGAATTCAGATAAAGAGATGGAAGTAGAAGAATCTCCAGAGAAAATAAAA

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GTACAGACAACACCAAAAGTAGAAGAAGAACAGGATTTGAAATTTCAGATTGGAGAACTG
GCAAATACCCTGACAAGTAAATTCGAGTTTCTAGGCATTAATAGACAATCCATCTCCAAC
TTTCATGTGCTGCTCTTACAGACTGAGACTCGAATTGCAGACTGGCGGGAAGGGGCTCTT
AATGGAAACTACCTTAAACGAAAACTTCAGGATGCAGCAGAACAACTAAAACAGTATGAA
ATAAACGCCACTCCTAAAGGCTGGTCCTGCCACTGGGACAGGGATCATAGACGGTATTTC
TATGTAAACGAACAGTCGGGCGAGTCTCAGTGGGAGTTTCCAGATGGTGAAGAGGAAGAA
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AAAGAATCCTTTTCTGGTCAAGTTTCTTCTTCATCACTCATGCCACTTACTCCATTCTGG
ACCCTCCTTCAGTCAAATGTTCCTGTGCTTCAACCTCCATTACCCTTGGAAATGCCACCA
CCCCCACCTCCACCTCCAGAATCACCTCCACCCCCTCCTCCACCACCTCCTCCTGCGGAA
GATGGTGAGATCCAGGAGGTAGAGATGGAGGATGAGGGAAGTGAGGAGCCCCCTGCCCCA
GGAACAGAGGAAGATACCCCTTTGAAACCTTCAGCACAAACCACAGTTGTAACTAGCCAG
AGTTCAGTTGATTCCACCATCTCTAGTTCTTCTTCCACTAAAGGAATAAAGAGGAAAGCT
ACAGAAATTAGCACTGCAGTGGTTCAGAGGTCAGCTACCATTGGCAGTTCTCCAGTTCTC
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GGAATTGGACATCAGACAATACCAGTTAGCCTTCCAGCAGCAGGAATGGGTCATCAGGCC
AGAGGAATGAGCCTGCAGTCAAATTACCTTGGACTAGCGGCAGCACCTGCAATTATGAGT
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CGAGGTGCTGTGCCTACCGCTACCATTATAGAACCACCACCACCACCTCCTCCTCCTCCT
CCTCCACCACCACCAGCTCCCAAAATGCCACCACCTGAAAAGACAAAAAAAGGAAGGAAA
GACAAGGCAAAGAAGAGTAAGACCAAAATGCCATCTTTGGTAAAAAAGTGGCAGAGTATC
CAGCGTGAGTTAGATGAAGAGGACAATTCTAGTTCCAGTGAAGAGGATCGGGAATCAACT
GCACAGAAGCGAATTGAAGAGTGGAAACAGCAGCAGCTGGTTAGTGGCATGGCAGAGAGA
AATGCTAATTTTGAAGCCCTTCCTGAGGATTGGAGAGCAAGGCTGAAGAGAAGGAAAATG
GCTCCAAACACATAGTTTTTAAGTTTTTAAAACTTTTTTGTATTATTGTTTGTTTTGTGT
TCAGTTCAAAGTCTTAACCAGTTTTATTGTCAAATAAACTATAAATGTTATGGGGGAGAT
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TCCTCCAGAACAAGTGCAATTCAGAAGGCAGCTCTGCATTCTACCTTGCTTGACTGGAAT
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AGAACTGGTAGCTCGGTCGTTTCGCACACTAGGTGGCATACAGGCAGCAGCAGGTGTTCA
TATCCTTGATTTTGAGAATTTCCCCTCAAGTATGTGGCAGTAAATACAACAAGACACTCT
ATGTATTAATGTCTCCATTGTCTTAACCCTGTTCCAAAACAAAATTCACCTCCTTTCTTT
ATGTGAATGTATTCTCCATAAAATTCCAGTATTTAAAAAGCAGTTTACTGTTCTGTACTT
TCTGTTGTATCACAATCAGGTAAAAGTCACTTTAAACTGAGGAAACGGCAAATTGTGTTT
TAAAGCTCTTTGTATTTCTCCAGTTTCTGACCTTGTAAATTTGTATATATGCACTAATAA
AGCTTTTTTTATAATCCTGAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015308

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.
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:	NM_015308.1, NP_056123.1
RefSeq Size:	3995 bp
RefSeq ORF:	3048 bp
Locus ID:	23360
UniProt ID:	Q8N3X1
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.