

Product datasheet for **SC318442**

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318442 representing NM_015308. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGGGAAGAAGTCCCGGGCGGTACCGGGCGTAGGCCCATCCTGCAACTCTCTCCGCCGGGTCTCGG
GGCAGCACGCCGGGCGGGACCGGAGCCGGAACCCGACACTGAGCCGGACTCAACCGCGGCGGTCCCC
AGCCAGCCCGCCCGTCGGCGGCGACGACCACCGCGGTGACTGCCGCCGGCGCTCGGACGACTCGCT
TCAGAAGATGAACAGGAAGCGGTGCAGGAGTTCTAGAGTTGTTGAGAATCCTCCAAAACCAAGTCATG
ACCACTAGACCCACAGCTGTTAAAGCAACAGGCGGTCTATGCTTGCTTGGTGCTTATGCTGACAGTGAT
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GCAATTGCTGCTGAAAATTCAGAAAAAATAGATGAGAATTCAGATAAAGAGATGGAAGTAGAAGAATCT



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CCAGAGAAAATAAAAGTACAGACAACACCAAAAGTAGAAGAAGAACAGGATTTGAAATTTGAGATTGGA
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GATCGGAATCACTGCACAGAAGCGAATTGAAGAGTGGAAACAGCAGCAGCTGGTTAGTGGCATGGCA
GAGAGAAATGCTAATTTGAAGCCCTTCTGAGGATTGGAGAGCAAGGCTGAAGAGAAGGAAAATGGCT
CCAAACACATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_015308
Insert Size:	3048 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).
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:	<u>NM_015308.2</u>

RefSeq Size: 4127 bp

RefSeq ORF: 3048 bp

Locus ID: 23360

UniProt ID: [Q8N3X1](#)

Cytogenetics: 11p11.2

Domains: WW

MW: 110.1 kDa

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.