

Product datasheet for **SC320936**

FNTB (NM_002028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNTB (NM_002028) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNTB
Synonyms:	FPTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002028.3
 GCTGCTCTCTGATCATGGCTTCTCCGAGTTCTTTACCTACTATTGCCCTCCATCTTCC
 TCCCCCGTCTGGTCAGAGCCGCTGTACAGTCTGAGGCCGAGCACGCGCAGAGCGGTTG
 CAGGACGACTCGGTGAAACAGTCACGTCCATAGAACAGGCAAAAGTAGAAGAAAAGATC
 CAAGAGGTCTTCAGTTCTTACAAGTTCAACCACCTTGTACCAAGGCTTGTTCGAGAGG
 GAGAAGCACTTCCATTATCTGAAAAGAGGCCTTCGACAACGACAGATGCCTATGAGTGT
 CTGGATGCCAGCCGCCATGGCTCTGCTATTGGATCCTGCACAGCTTGGAACTGCTAGAT
 GAACCCATCCCCAGATAGTGGCTACAGATGTGTGTGAGTTCTGGAGCTGTGTCAGAGC
 CCAGAAGGTGGCTTTGGAGGAGGACCCGGTCAGTATCCACACCTTGCACCCACATATGCA
 GCAGTCAATGCATTGTGCATCATTGGCACCAGGAGGCCTATGACATCATTAAACAGAGAG
 AAGCTTCTCAGTATTTGACTCCCTGAAGCAACCTGACGGCTCCTTTCATGCATGTC
 GGAGGTGAGGTGGATGTGAGAAGCGCATACTGTGCTGCCCTCGTAGCCTCGCTGACCAAC
 ATCATCACTCCAGACCTTTGAGGGCACTGCTGAATGGATAGCAAGGTGTCAGAACTGG
 GAAGGTGGCATTGGCGGGTACCAGGGATGGAAGCCCATGGTGGCTATACCTTCTGTGGC
 CTGGCCGCGCTGGTAATCCTCAAGAGGGAACGTTCTTGAACCTGAAGAGCTTATTACAA
 TGGGTGACAAGCCGCGAGATGCGATTTGAAGGAGGATTTAGGGCCGCTGCAACAAGCTG
 GTGGATGGCTGCTACTCCTTCTGGCAGGCGGGCTCCTGCCCTGCTCCACCGCGCACTG
 CACGCCAAAGGTGACCCTGCCCTTAGCATGAGCCACTGGATGTTCCATCAGCAGGCCCTG
 CAGGAGTACATCCTGATGTGCTGCCAGTGCCTGCGGGGGGGCTTCTGGATAAACCTGGC
 AAGTCGCGTGATTTCTACCACACCTGCTACTGCCTGAGCGGCCTGTCCATAGCCCAGCAC
 TTCGGCAGCGGAGCCATGTTGCATGATGGTCTGGGTGTGCCCCGAAACGCTCTGCAG
 CCCACTCACCCAGTGTACAACATTGGACCAGACAAGGTGATCCAGGCCACTACATACTTT
 CTACAGAAGCCAGTCCCAGGTTTTGAGGAGCTTAAGGATGAGACATCGGCAGAGCCTGCA
 ACCGACTAGAGGACCTGGGTCCCGCAGCTCTTGTCTACCCATCTCCCCAGTCAGACAA
 GGTTTATACGTTTCAATACATACTGCATTCTGTGCTACACAAGCCTTAGCCTCAGTGGAG
 CTGTGGTTCTCTTGGTACTTTCTGTCAAACAAAACCAATGGCTCTGGGTTTGGAGAACA
 CAGTGGCTGGTTTTAAAAATCTTTCCACACCTGTCAAACAAAAATCTATCAGCCCACG
 TGGTGTGGTTGGTGAACAGTGCATGCCAGGAGGAAGCAGTCCCTCCTCACCAGCTCTCCA
 GCCAGGACGATCACACAGAGATGAATGGCATCTGAGTATTACGGCATCCAGAGCCACTGC
 TGACTCCCCTTGCACGCCACCATTCACTCACCAGACTGGGTGCCCTCCGATGGGTGGAA
 TAAGTCTGCTTATGCCAAGGCTGGGCTTTGGGTCCCACCAAGATGAGTTCTCTGTAAGA
 CTGTGGTGGAGTTGCACCAAGGAGGTGCCTCTGCCTCTCGACTTGCACCCTGGTCATTTGT
 AAGGGAAAAGAGCTGGAGGTGGGAGAGAAAGATCTCCTTCAGTTGGGAGTCTTCCACT
 TCAACTTGGAGAACTGAGCCTTGCATCTCTCCAGGGTCCAAGGCCACGCTTGGTGCACA
 GGCAAGACTTGTTCAGCCCCAGGTGGGTGACTTAGACCTAGGAAACCAATTATGAGTG
 GAAAGTGACCCTTAGTTCAACTGTGCCAGAGGAAACAGCCCTCCAGTGCCACCTGCCT
 CACTCCTCCATCATGTACCGTAAAACCCCTCTGATGGCCTCAAGGCAGTGCCTGCA
 GGCCGAGGCCCTTCTGGGGTTTTCTATCTTTCTCCACCAGACTCCAAGCCACTCTCCT
 CCAAGACTGTGTTGTCTTTCTACCAAGAGATTAACACTACTAAGTCTTTACCTTAA
 CTTATGACTCAGGATTTATTCAGTCTGCCCCTAGGCTCACAGGAATAAAATCAAG
 TGCTAGACACACTGGCTGCTACTAAGGCACTAGCCTCTGTAGCTGGTGGTGGCAGCGTGG
 GGTGCCGCCAGCGTGTGGTCTGGCAGTGCCTCTGCTGTGCTGCACATTGAGCCCTT
 TCTCAGTCAGTGGAGTATCAAGTTGGGCCATCTGTCTACTGACCTGGCCTTATGTAAGC
 AGCTGTGGGCTGCGGGCAGACAGGAGCTCAGAGATGCAGCATGAGGCGCTTAGAAAAACC
 TGGCCATTTGCTGCCTAATCCCTTTGCTTTGCCATATTGGGCTATGTATTACCTCC
 TTGAAATAATAAAGAATAACATTTTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002028

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:	<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_002028.3</u> , <u>NP_002019.1</u>
RefSeq Size:	2836 bp
RefSeq ORF:	1314 bp
Locus ID:	2342
UniProt ID:	<u>P49356</u>
Cytogenetics:	14q23.3
Domains:	prenyltrans
Protein Families:	Druggable Genome
Gene Summary:	Essential subunit of the farnesyltransferase complex. Catalyzes the transfer of a farnesyl moiety from farnesyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X.[UniProtKB/Swiss-Prot Function]