

Product datasheet for SC118856

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118856 sequence for NM_002028 edited (data generated by NextGen Sequencing)

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ATGGCTTCTCCGAGTTCTTTACCTACTATTGCCCTCCATCTTCTCCCGTCTGGTCA
GAGCCGCTGTACAGTCTGAGGCCGAGCACGCGGAGAGCGGTTGCAGGACGACTCGGTG
GAAACAGTCACGTCCATAGAACAGGCAAAAGTAGAAGAAAAGATCCAAGAGGTCTTCAGT
TCTTACAAGTTCAACCACCTTGTACCAAGGCTTGTGTTGTCAGAGGGAGAAGCACTTCCAT
TATCTGAAAAGAGGCCTTCGACAACCTGACAGATGCCTATGAGTGTCTGGATGCCAGCCGC
CCATGGCTCTGCTATTGGATCCTGCACAGCTTGGAACTGCTAGATGAACCCATCCCCAG
ATAGTGGCTACAGATGTGTGTCAGTTCTGGAGCTGTGTCAGAGCCAGAAGGTGGCTTT
GGAGGAGGACCCGGTCAGTATCCACACCTTGCACCCACATATGCAGCAGTCAATGCATTG
TGCATCATTGGCACCAGGAGGCTATGACATCATTAACAGAGAGAAGCTTCTTCAGTAT
TTGTAATCCCTGAAGCAACCTGACGGCTCCTTTCTCATGCATGTCGGAGGTGAGGTGGAT
GTGAGAAGCGCATACTGTGCTGCCTCCGTAGCCTCGCTGACCAACATCATCACTCCAGAC
CTCTTTGAGGGCACTGCTGAATGGATAGCAAGGTGTCAGAAGTGGGAAGGTGGCATTGGC
GGGGTACCAGGGATGGAAGCCATGGTGGCTATACCTTCTGTGGCCTGGCCGCGCTGGTA
ATCCTCAAGAGGGAAAGTTTCTTGAAGTGAAGAGCTTATTACAATGGGTGACAAGCCGG
CAGATGCGATTTGAAGGAGGATTCAGGGCCGCTGCAACAAGCTGGTGGATGGCTGCTAC
TCCTTCTGGCAGGCGGGGCTCCTGCCCTGCTCCACCGCGCACTGCACGCCCAAGGTGAC
CCTGCCCTTAGCATGAGCCACTGGATGTTCCATCAGCAGGCCCTGCAGGAGTACATCCTG
ATGTGCTGCCAGTGCCTTGCAGGGGGGCTTCTGGATAAACTGGCAAGTCGCGTGATTTT
TACCACACCTGCTACTGCCTGAGCGGCCTGTCCATAGCCAGCACTTCGCGAGCGGAGCC
ATGTTGCATGATGTTGCTGGGTGTGCCCGAAAACGCTCTGCAGCCACTCACCCAGTG
TACAACATTGGACCAGACAAGGTGATCCAGGCCACTACATACTTTCTACAGAAGCCAGTC
CCAGGTTTTGAGGAGCTTAAGGATGAGACATCGGCAGAGCCTGCAACCGACTAG

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Clone variation with respect to NM_002028.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002028 unedited
 GATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTGTTGCTTA
 ACGAAGCAGAGTCTACACACTGTCTGTGCTCTCCTGATCATGGCTTCTCCGAGTTCTT
 TCACCTACTATTGCCCTCCATCTTCTCCCCGCTGTGGTACAGAGCCGCTGTACAGTCTGA
 GGCCCCGAGCACGCGGAGAGCGGTTGCAGGACGACTCGGTGGAACAGTACGTCCATAG
 AACAGGCCAAAAGTAGAAGAAAAGATCCAAGAGGTCTTCAGTTCTTACAAGTTCAACCACC
 TTGTACCAAGGCTTGTGTTTGCAGAGGGAGAAGCACTTCCATTATCTGAAAAGAGGCCTTC
 GACAACTGACAGATGCCTATGAGTGTCTGGATGCCAGCCGCCATGGCTCTGCTATTGGA
 TCCTGCACAGCTTGAAGTCTAGATGAACCCATCCCCAGATAGTGGCTACAGATGTGT
 GTCAGTTCCTGGAGCTGTGTGAGAGCCAGAAGGTGGCTTTGGAGGAGGACCCGGTCAGT
 ATCCACACCTTGACCCACATATGCAGCAGTCAATGCATTGTGCATCATTGGCACCGAGG
 AGGCTATGACATCATTAAACAGAGAGAAGCTTCTTCAGTATTTGACTCCCTGAAGCAAC
 CTGACGGCTCCTTTTCATGCTGTCGGGGTGAAGGGGGGGAGTGGAAAAGCGCATACTGTG
 CTGNTNCGTAGCCTCGCTGACCACATCATACTCCAGACTNTTTGAGGCACTGCTGATGA
 TAGCCAGTGTCAACTGGNGAAGGTGCATGGCCGGGTCCAAGGATTGGAGCCCATGTGC
 TTACCTTTTGTGGCGGCCCGGCTGTATCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002028 unedited
 TATGGACGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTAAAAGTTATTCT
 TTTATTATTTCAAGGAGTAATACATAGCCCAATATGGCAAAGCAAAGGGAATTAGAGG
 CAGCAAATGGCCAGGTTTTTCTAAGCGCCTCATGCTGCATCTCTGAGCTCCTGTCTGCC
 GCAGCCCACAGCTGCTTACATGAAGGCCAGGTCACTAGACAGATGGCCCACTTGATACT
 CCACTGACTGAGAAAGGGCTCAATGTGCAGCACAGCAGAGGCACTGCCAGGACCCAGCAC
 GCTGGGGCGCACCCACGCTGCCACCACAGCTACAGAGGCTAGTGCCTTAGTAGCAGCC
 AGTGTGTCTAGCACTTGATTTTATTCTGTGAGCCTAGAGTGGGACGAGTGAATAAAT
 CCTGAGTCATAAGTTAAGGTGAAAGACTTAGTAGTGTTAATACTCTTGGTGAAGAAAGAC
 AACACAGTCTTGGAGGAGAGTGGCTTGGAGTCTGGTGGAAAGAAAGATAGAAACCCCGAG
 AAGGGCTCGGCCTGCAGGCACTGCCTTGGAGCCATCAGAGGGGGTTTTTACGGTACATG
 ATAGGGAGGAGTGAAGGAGGTGGCACTGGAGGGCTGTTTCTCTGGCACAGTTGAATA
 GAGGGTCACTTTCCACTCATAATTGGTTTCTAGGTCTAAGTACCACACCTGGGGCTGA
 AGCAAGTCTTGCCTGTGCACCAAGCGTGGCCTTGGACCTGGAGAGATGCAAGGCTCAGT
 TCTCCAGTGNTGAAGTGGAAAGGACTCCCACTGAAGGAGAATCTTCTCTCCACCTNCA
 GCTCTTTTCCCTTTACAATGACCAGGGTGCAGTCGAGAGCANAAGCACCTCCTGGNTGCA
 CTNACCACAGTCTACAGAGAACTCATCTTGGTGGGACCCAAANCCAGNCTTGCATGAAG
 CAGACTTATCCACATCGNAGGNCACCCATCTGTGACTGATAGNTGCNTGCA

Restriction Sites:

NotI-NotI

ACCN:

NM_002028

Insert Size:

2820 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:	<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, 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]