

Product datasheet for **SC102016**

SBF2 (BC027492) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SBF2 (BC027492) Human Untagged Clone
Tag:	Tag Free
Symbol:	SBF2
Synonyms:	CMT4B2; DENND7B; MTMR13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BC027492, the custom clone sequence may differ by one or more nucleotides

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ACGGAAC TTTATTTGATGATAAAGGAGAAAAGCATGCCAAAAAGGAGTCTGTATTTGGGAATGTATTGA
CAGAATGCACAAGAGGAGTCCCATTTTCTTTAATTATTTATATTCACCATTTGAAATAGAGGCTCTAAAG
CCCAATGTAACGTCTCTAGCCTCAAGAAGTGGGATTACTACATAGAAGAGACCCTGTCCACAGGCCCTT
CCTATGACTGGATGATGCTAACCCTCAAGCACTTCCCCTCCGAAGACTCTGACCTGGCTGGAGAAGCTGG
GCCACGGAGCCAGAGGAGAACAGTGTGGCCATGCTATGATGATGTCAGCTGTACTCAGCCTGATGCTCTC
ACCAGCCTTTTCAGTGAAATTGAAAAATTGGAGCACAAATTGAACCAAGCCCCTGAGAAGTGGCAGCAGC
TGTGGGAAAGGGTAACCGTGGACCTTAAGAAGAACCAAGAACAGATCGCTCCAAAGACACCTGTCGAG
ATCCCCAGGAATTGTGTCTACCAACCTACCTTCTATCAGAAGAGGTCTCTGCTACATCTCCAGACAGC
AGCATGGGGGAGGAACAGAATTCAGCATCTCCCATCCAATGGAGTGGAGCGAAGAGCAGCCACGCTCT
ATAGCCAGTATACATCCAAGAATGATGAAAACAGGTCCTTTGAGGGAACACTTTATAAAAGAGGGGCTTT
GCTGAAAGGTTGGAAGCCCCGTTGGTTTGTGGATGTAACAAAACATCAGCTGCGCTACTATGACTCA
GGTGAGGACACAAGCTGTAAAGGCCACATTGATCTGGCTGAAAGTAGAAATGGTCACTCCCTGCTGGCCCCA
GCATGGGAGCCCCAAAGCACACAAGTGACAAGGCTTTCTTTGATCTCAAGACCAGCAAACGTGTGTATAA
CTTCTGCGCCAGGATGGACAGAGTGCCAGCAATGGATGGACAAGATCCAGAGTTGTATCTCTGATGCC
TGATGCCCATGGTCAACCACGCAGAAGAAACAGAAGAACTCATGCTGCCAGATAGATAGAAAAAGAAGC
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GGGTTTGCTATATCTACTTAACCTGAATAGGTGTTTACACAGGTCTGGTCAACAGCCCCATGACTCCC
TGTATCTTGCACTAAATTTTCTAACAGGTCTTAGTGTTAATGATCAGAAGATGTCTCCTGAGCCAAC
TGTGAACCTCACCCAGGCAAAATGGCTACCACCTACTTGGGTCCTTCTTCATGAAAGCTATAGATCCTTT
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CAGTTCTCTGGTCTGCCAAAAGATGCTTCCATGGTCCGTGCTCTGCCAGTGGGGTTACACAAGAGAC
GTCATTGTTTCAGTAGCAGGCAAGAGGGAGCACACAGCATTATTCTGATGGAAAAAGATTATCCAGGGAA
TGGTACAACAATGACCAGCCCAATGCAGGAAAACACTACTTCCAAACACTGAATTCTCTAGACCAGAGG
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CATGCAAAAAAGCTGAATGCACTAACTCACAAAACAAACACTTGCACTGAATTTCCAATGAAGTGAAGA
TGTTGGAAGACAGAGGCCAGCTATTTAGGACCATACGCACCTGTGACAAGGGCTGTGTTGACCACAGTC
ACACTGTGGCATGACTGGATACCCAACTACACTTCTACACATGAAAAGTAAAGAACTGTCTTTAGATTTT
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ACAGCATCTTCGCTACAACCACTGACACCAGCTGGCGTCATAGGTAGCTAGATCATTGCATTTGTTTTGA
AATGTTAATATGTTAAATACTAACTAATATTTCAAAAATGTGTATATATGATTTCTATATCCTTGTTTT
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CTTCTTTTGTAACTGGATTACTTTAACTTTCTGTAAGGCATTACATTGCCTCACATTCACCTAACCACCT
GAATTAATTTATTTCTTAAGAAAAAGCAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC027492 unedited
 CACAATTTGTAATACGATCTCACTATANNGGCGGCCGCGNAATTCGGCAGGAGGGTTCA
 CAACCAGTATCCAAGTGGTTGAATTCATCTCTATTACTTAAAGTTCTTGGCTTTCCA
 CTATGTGTCTAATCGCTTTAAACATTTCTCCTGGATTGAGACTATGAAAGATTAGAGCA
 CGGAACTTTATTTGATGATAAAGGAGAAAAGCATGCCAAAAAGGAGTCTGTATTTGGGA
 ATGTATTGACAGAATGCACAAGAGGAGTCCCATTTTCTTAATTATTTATTTACCACTT
 GGAAATAGAGGCTCTAAAGCCCAATGTAAACGTCTCTAGCCTCAAGAAGTGGGATTACTA
 CATAGAAGAGACCCTGTCCACAGGCCCTTCTATGACTGGATGATGCTAACCCCAAGCA
 CTTCCCTCCGAAGACTCTGACCTGGCTGGAGAAGCTGGGCCACGGAGCCAGAGGAGAAC
 AGTGTGGCCATGCTATGATGATGTCTAGCTGACTCAGCCTGATGCTCTACCAAGCCTTTT
 CAGTGAAATTGAAAAATTGGAGCACAATTGAACCAAGCCCTGAGAAGTGGCAGCAGCT
 GTGGGAAAGGGTAACCGTGGACCTTAAAGAAGAACCAAGAAGAGATCGCTCCCAAGACA
 CCTGTCGAGATCCCAGGAATTGTGTCTACCAACCTACCTTCTATCAGAAGAGTCTCT
 GCTACATCTCCAGACAGCAGCATGGNGGGAGGAACAGAATTCCAGCATCTCCCATCCA
 ATGGAGTGGAGCGAAGAGCAGCCACGCTCTATAGCCAGTATACATCCACGAATGATGAA
 AACAAAGTCTTTGAGGAACATTTATAAAAGAGGGGCTTTGCTGAAAAGTTGGAAGCCCC
 CTTGTTTTGTTTTGGATAGTACAAACATCAGCTGGCCTCCTTTACCTCAGTGAAGACCA
 GCTGTAAGCGCCACTGACCTGCCTGAGAN

3' Read Nucleotide Sequence:

>OriGene 3' read for BC027492 unedited
 ACGTTGAAAAAGCTTCTTTACGATATCGAAAAACCTTTTTTTTTTTTGTCTTTTCTTAAA
 AAATAAATTTAATTCAAGGTGGTCAGTGAATGTGAGGCAATGTAATGCCTTCACGAAAGT
 TAAAGTATCCAGTTACAAAAGAAGCACTGTGTATAGTCTCAAATAGCTGAAGGTACAAT
 GGGCTCCATATTTTACAAAGTACTAAATAAGATTTTATATACAAAGAAAAATACAAATAA
 TGTGCAAAAACCATTTTACAGGTGGCAATTTATAAAATGGAAATGATAGAAAAGTCCTT
 CATTCTTAATTATCCCCAAATTTCTTATATTAACACAGTTCTATTTCTAGTGTGTGG
 ACAATTTTAAATTTGAAATCTGATTTATTTTAACTACAAAGTATTTTATTTTAA
 AAGGGAACCATTTTATTGAAATCTTATGAATGCATCAGTTAATTTATATTAATTAAT
 AAGCAGGCTATCTGAAAAACAAGGATATAGAAATCATATATACATTTTGGAAATTA
 GTTTAGTATTTAACATATTAACATTTCAAAACAAATGCAATGATCTAGCTACCTATGACG
 CCAGCTGGTGTGTCAGTGGTTGTAGCGAAGATGCTGTTTCTGTTTACCATGAGCAAAACAGCA
 TTTCTTGGGTCTTAAGCTAAACAATCACAAGTTATCAAAGTTAAGAAAATCTAAAGACAG
 TTCTTACTTTTCTGTTGAGAAGTGTANTTTGGGTATCCAGTCATGCCACAGTGTGACTG
 TGGTCACACAGCCCTTGTACAGTGCATGATGGGCCTAATAGCTGGCCTCTGTCTTTCAAC
 ATCTTCCTTCATTGGAATCAGTGCAGTGTGTTGTTGGGAGTAATGCATCACCTTTTTC
 ATGTATTTGAAAAGAGCTGCGGGACAAAGAACTAAAC

Restriction Sites:

NotI-NotI

ACCN:

BC027492

Insert Size:

2900 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: [BC027492.1](#)

RefSeq Size: 2633 bp

RefSeq ORF: 2633 bp

Locus ID: 81846

Cytogenetics: 11p15.4

Domains: PH

Gene Summary: This gene encodes a pseudophosphatase and member of the myotubularin-related protein family. This gene maps within the CMT4B2 candidate region of chromosome 11p15 and mutations in this gene have been associated with Charcot-Marie-Tooth Disease, type 4B2. [provided by RefSeq, Jul 2008]