

Product datasheet for **SC315335**

SH3TC2 (NM_024577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3TC2 (NM_024577) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3TC2
Synonyms:	CMT4C; MNMN
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024577, the custom clone sequence may differ by one or more nucleotides

```

ATGGGTGGCTGCTTCTGCATCCCCAGGGAGCGGAGTCTGACCCGGGGCCAGGTAAGAA
ACTCCTTCCAAGGATCCAAGTGTATCGAGTGAGTGTATAGCCTCATCTGAATACAAGAA
AAATGTTTTCTGCCACAGAACATTAATCCAGACCTGACACTCTCCTTCTGTGTAAGAGC
CGCTCCAGGAGGTGTGTAATGGACCCCTACAGGAAGCTGCTCGGAGGCGGCTCTGGCA
CTGGAGAAATGAGGACCAGGAGGTGCGCATGCTGTTAAGGACCTCTCAGCAAGGTTGGTC
AGTATCCAGTCTCAGAGGGCCAGTTTCTCATCACCTTCAAGACCATGGAGGAAATCTGG
AAGTTCTCCACCTACCTAATTTAGGCTACGTATCCATGTGTCTAGAACATCTCCTCTTT
GACCACAAGTACTGGCTCAACTGCATATTGGTGGAGGATACAGAGATCCAAGTGTCTGTA
GATGATAAACACCTGGAACAATATACCTGGGACTCCTGATACAGGAAGGCCACTTCTTC
TGCAGAGCCCTGTGCTCCGTGACTCCACCAGCCGAGAAGGAAGGGGAATGCTTGACACTT
TGCAAGAATGAGTTAATCTCAGTGAAGATGGCAGAAGCTGGCTCCGAGTTGGAAGGCGTG
TCTTTGGTGACAGGTGACGGGGCTGGTACTGGTGTGACGCTTGGAGCCTCTGCCTCTC
CCTTTCCACCAGTGGTTCCTAAGAATTATCCAGGAAGCTGTGGCCTTTCCAGGAAGAGG
GATTGGACAGGCTCCTATCAGATTGGCAGAGGACGCTGTAAGGCCTTGACGGGTTATGAG
CCAGGAGAAAAGGATGAACTGAATTTCTACCAGGAGAAAAGCATTGAGATCATCGGCTTT
GTCATACCTGGGCTTCAGTGGTTCATTGGAAGTTCGACAAGTTCAGGACAAGTGGGCTTT
GTCCCCACCAGGAACATAGATCCTGATTCTTATCCCAATGAGCAGGAACTCTGCCTTT
CTCAGTGATGAGGAGAGATGCTCCCTGTTGGCCCTGGGAAGTGATAAGCAGACTGAGTGT
TCCAGTTCCTCCACACTCTTGCTCGCACTGACATCACATCTGTCTACCGGCTCAGTGGG
TTTGAATCCATCCAGAATCCTCCAATGATCTGAGTGCATCCCAGCCTGAAGTTTCAAG
GAGGTGAGGCTGGCAGAGCCTGGGAGGAGCATCAGGCCGTGGGGTCCAGACAGTCCAGC
AGCTCTGAGGACTCCAGCCTGGAGGAGGAGCTCCTCTCGGCCACCTCAGACAGCTATCGC
CTGCCGGAGCCTGATGACCTTGATGACCCGGAAGTCTCATGGACCTAAGCACTGGTCAG
GAGGAGGAGGCTGAGAACTTCGCCCCATATTGGCTTTTCTGGATCATGAGGGTTATGCT
GACCACTTTAAGAGTCTCTATGACTTCTCCTTCTTTTCTCACTTCTTCTTTTATAGC
TTCTCTGAGGAGGATGAGTTTGTGGCCTACCTGGAGGCATCAAGAAAGTGGGCCAAGAAG
AGCCACATGACCTGGGCCATGCCCGTCTCTGCTTCTCCTGGGCCGGCTGAGCATCAGG
AAGGTCAAACCTCTCAGGCCAGGGTGTACTTCGAGGAGGCCATCCACATTCTCAATGGA
GCATTTGAGGACCTATCCTTGGTGGCACTCTGTACATCAATTTGGCTGCCATCTACCTG

```



[View online »](#)

```

AACAGAGGCTGAGACATAAAGGCTCCGCCCTGTTGAAAAGGCAGGTGCCCTGCTGGCC
TGCTGCCTGACCGTGAGTCTAGTGCCAAGCATGAACTCGACGTGGTGGCCTACGTGCTG
CGCCAGGGGATTGTGGTGGGCAGCAGCCCGCTGGAGGCCAGGGCCTGCTTTCTGGCCATC
CGCTTGCTCCTGAGCCTAGGCCGGCAGCAGGAGGTCTGCCCTTTGCCGAGCGCCTGCAG
CTCCTCTCTGGACACCCTCCTGCCTCTGAGGCTGTGGCCAGTGTTTTGTGTTTTCTGTAT
GACAAGAAATATCTTCCACACCTTGCAAGTGGCCTCTGTCCAGCAACATGGTATCCAGAGT
GCCCAAGGGATGTCTCTTCTATTTGGCAGGTCCACCTTGCTCCAGAACAACAACCAAG
CTCCTTGGCTTTTCTTCCCAGGCTGGGGTGAAGTTTCTGCCCTTGGCCTGCCAATGCTC
AGACAGGCCCTGGCTGCCTGTGAGGAACTAGCAGACCGGAGCACCCAGAGGGCCCTGTGT
CTCATCCTTTCCAAAGTGTACCTCGAGCACAGGTCTCCTGACGGTGCCATCCACTACCTG
AGCCAGGCCTTGGTGTAGGGCAGCTGTGGGTGAGCAGGAATCCTTTGAGTCTTCTCTC
TGCCTGGCATGGGCTATCTCTTAGCCAGCCAGGCCAAGAAGGCTTTGGATGTGCTTGAG
CCACTGCTATGCTCCCTGAAGGAGACAGAGAGTCTCACTCAAAGGGGAGTCACTATAAC
CTCCTGGGACTTGCACTCAAGGTGAAGCCGGGTGAACAGGGCAGCCAAGAGCTATCTT
CGGGCCTTGAACAGAGCCAGGAGTGGGAGATGTGCATAACCAGGCAGTGGCTATGGCC
AATCTTGGCCACCTGAGCCTTAAGTCTGGGCTCAGCATCCAGCCAGAACTATCTCCTG
CAGGCTGTACGACTCTATTGTGAACTTCAGGCCAGTAAGGAGACAGACATGGAATTAGTA
CAGGTGTTTCTCTGGTTGGCCAAAGTTCTGGTGTCTGGACACCAGCTGACCCATGGCCTT
CTTTGTTATGAAATGGCATTGCTGTTTGGCTTAAGGCATCGACATCTAAAGAGTCAGCTT
CAGGCCACCAAATCCCTTGCCATTTCTACAGCTCTGTGTCCCAAAACCTGAGGCATGC
ATCACCTACCATGAGCACTGGCTGGCCCTGGCTCAGCAACTCAGGGACCGGGAGATGGAA
GGGAGGCTGCTGGAGTCCCTGGGGCAGCTTTATCGGAACCTAAATACCGCCAGGTCCTC
AGGAGTCACTCACATGCATCAAGGAGAGCCTGCGTATCTTCATTGACCTGGGGGAGACA
GACAAGGCTGCTGAGCCCTGGCTTGGGGCGGGGCGACTCCACTACCTCATGCAGGAAGAC
GAGCTGGTGGAGCTGTGCTGCAGGCAGCCATCCAGACAGCCCTGAAGTCAAGGAGCCT
TTGCTGGCTCTCAAACCTTATGAAGAAGCAGGTGATGTGTTCTTCAATGGGACCCGCCAC
AGGCATCATGCAGTGGAGTACTACCGAGCTGGAGCTGTTCTTTAGCAAGGAGGTTGAAG
GCGGTGAGAACTGAGCTCCGGATTTTCAATAAGCTGACAGAGCTGCAGATTAGCCTCGAA
GGCTATGAGAAGGCTTTGGAATTTGCCACCCTGGCCGCCAGGCTCAGCACAGTACAGGA
GATCAGAGGCAAGAGCTGGTGGCCTTTACCGCCTGGCTACAGTGTACTACTCCCTGCAC
ATGTATGAGATGGCTGAGGACTGTACCTGAAGACCCTGTCCCTCTGTCCACCATGGCTG
CAGAGTCCAAGGAGGCCCTGTACTATGCCAAGGTGATTATCGCCTGGGCAGACTCACC
TTCTGCCAGCTGAAGGATGCCCATGATGCCACTGAGTACTTCTTCTGGCCCTGGCAGCA
GCGGTCTGCTGGGTGATGAGGAGCTTCAGGACACCATTAGGAGCAGGCTGGACAACATC
TGCCAGAGCCCCCTGTGGCACAGCAGGCCCTCCGGGTGCTCCTCAGAGAGGGCGCGGTG
CTGAGTGGTGGTGGCCTGGCCCTC

```

Restriction Sites:

Please inquire

ACCN:

NM_024577

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_024577.2](#), [NP_078853.2](#)

RefSeq Size: 4059 bp

RefSeq ORF: 3867 bp

Locus ID: 79628

UniProt ID: [Q8TF17](#)

Cytogenetics: 5q32

Gene Summary: This gene encodes a protein with two N-terminal Src homology 3 (SH3) domains and 10 tetratricopeptide repeat (TPR) motifs, and is a member of a small gene family. The gene product has been proposed to be an adapter or docking molecule. Mutations in this gene result in autosomal recessive Charcot-Marie-Tooth disease type 4C, a childhood-onset neurodegenerative disease characterized by demyelination of motor and sensory neurons. [provided by RefSeq, Jul 2008]