

Product datasheet for **SC107993**

BTBD1 (NM_025238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD1 (NM_025238) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTBD1
Synonyms:	C15orf1; NS5ATP8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107993 sequence for NM_025238 edited (data generated by NextGen Sequencing)

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ATGGCCTCACTCGGGCCTGCCGAGCTGGGGAGCAGGCGTCGGGGGCTGAGGCGGAGCCG
GGCCCCGCGGGGCGCCGCCGCCCTCACCGTCCTCTCTGGGGCCCTGCTCCCCCTG
CAGCGGGAACCTCTCTACAACCTGGCAGGCGACCAAGGCGTCGCTGAAGGAGCGCTTCGCC
TTCTCTTTCAACTCGGAGCTGCTGAGCGATGTGCGCTTCGTAAGGCAAGGGTCGCGGC
GCCGCCGCGCTGGGGGCGCCGAGCGCATCCCCGCCACCGCTTCGTGCTGGCGGCCGCG
AGCGCCGTCTTTGACGCCATGTTCAACGCGGCATGGCCACCACGTCGGCCGAGATCGAG
CTGCCGAGCTGGAGCCGCGAGCCTTCCTGGCGCTGCTGAGATTCTATATTCAGATGAA
GTTCAAATTGGTCCAGAAACAGTTATGACCACTCTTTATACTGCCAAGAAATACGCACTC
CCAGCCTTGGAAGCACACTGTGTAGAATTTCTACCAAACATCTTAGGGCAGATAATGCC
TTTATGTTACTTACTCAGGCTCGATTATTTGATGAACCTCAGCTTGCTAGTCTTTGTCTA
GATACAATAGACAAAAGCACAATGGATGCAATAAGTGCAGAAGGGTTTACTGATATTGAT
ATAGATACACTCTGTGCAGTTTTAGAGAGAGACACACTCAGTATTCGAGAAAGTCGACTT
TTTGGAGCTGTTGTACGCTGGGCGAGAAGCAGAATGTCAGAGACAACAATTACCTGTGACT
TTTGGGAATAAACAAAAAGTTCTAGGAAAAGCACTTTCTTAATCCGGTTCCTCACTGATG
ACAATTGAGGAATTTGCAGCAGGTCCTGCTCAATCTGGAATTTTGTGAGATCGTGAAGTG
GTAAACCTCTTTCTTCTTTACTGTCAACCCTAAACCCGAGTTGAATACATTGACCGA
CCAAGATGCTGTCTCAGGGGAAAGGAATGCTGCATCAATAGATTCCAGCAAGTAGAAAGC
CGCTGGGGTTACAGTGGGACGAGTGATCGAATCAGATTACAGTTAATAGAAGGATCTCT
ATAGTTGGATTTGGCTTGATGGATCTATTCATGGCCCTACAGATTATCAAGTGAATATA
CAGATCATTGAATATGAGAAAAAGCAAAACCCTGGGACAGAATGATACCGGCTTTAGTTGT
GATGGGACAGCTAACACATTCAGGGTCATGTTCAAGGAACCCATAGAGATCCTGCCAAT
GTGTGCTACACAGCATGTGCAACACTCAAAGGTCAGATTCCCCTATGGCACAAGGA
TTGAAGAAAGTAGTGATGAGACACCTGCTGCAAGCAAGACTGTTTTTTCTTTTTTAGT
TCCCCTGGCAATAAATATGGCACTTCAATAGAAGATGGACAAATCCAGAAATCATATTT
TATACATAA
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Clone variation with respect to NM_025238.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025238 unedited

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GGTCACCATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCCGGCCTC
CGGAGGCGGCCTGGGCGATGGCGGCGGAGTTTTGTCCATAACGTGGGCAACCGCGCAGCT
GGAGGATGGCCTCACTCGGGCCTGCCGAGCTGGGGAGCAGGCGTCGGGGGCTGAGGCGG
AGCCGGGCCCCGCGGGGCGCCGCCGCCCTCACCGTCCTCTCTGGGGCCCTGCTCC
CCCTGCAGCGGGAACCTCTCTACAACCTGGCAGGCGACCAAGGCGTCGCTGAAGGAGCGCT
TCGCCCTTCTCTCAACTCGGAGCTGCTGAGCGATGTGCGCTTCGTAAGGCAAGGGTC
GCGGCGCCGCGCGCTGGGGGCGCCGAGCGCATCCCCGCCACCGCTTCGTGCTGGCGG
CCGGCAGCGCCGTCTTTGACGCCATGTTCAACGCGGCATGGCCACCACGTCGGCCGAGA
TCGAGCTGCCGAGCTGGAGCCGCGAGCCTTCCTGGCGCTGCTGAGATTCTATATTCAG
ATGAAGTTCAAATTGGTCCAGAAACAGTTATGACCACTCTTTATACTGCCAAGAAATACG
CAGTCCCAGCCTTGGAAGCACACTGTGTAGAATTTCTACCAAACATCTTAGGGCAGATA
ATGCCTTTATGTTACTTACTCAGGCTCGATTATTTGATGAACCTCAGCTTGCTAGTCTTT
GTCTAGATACAATAGACAAAAGCACAAGGGGATGCATAAGTGCAGAAGGGTTTACTGATA
TTGATATAGATACACTCTGTGCAGTTNTAGAGAGAGCACACTCAGTATTCGAGAAAGTCG
ACTTTTGAAGCTGTTGTACGCTGGGCGAGAAGCAGAATGTCAGAGACAACATNACCTGTG
ACTNNTGGAN
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_025238 unedited GCAATTCTAAAGTCGAGTCTTTTTCTTTTTCTTTATATATATATATATTTATTTAT TTTTAAAACTCCAGGGGATGTCCCAAAGTTAGTAAACAGTTCTGTTCTTGCCCTTTT ATGGCTGCATGCAGTTTCAATTGTTCACTACAACAGATGAGGCATTTAAAAGGTCTCCAA CGTCAAGAAACACTAACTCATCTCTGGCATATCATATTTTTTAAGGCAGAAGTATTTCT GTAATGGTTACTACAGAGTGTCTACTGGTTAATTTTTAGTTAACCAGAACACACATCCC ATAGATAATTCCATTTAACTGAGGTTTATATCCGTAAGAGCATTACCATAGAAAAATTC CCTTTAGCAATTTCAAGAGACCTCAGCCACCAATATACCTACCTCTTTACAATATAAAG TGAAATATTACTTTAGATGAAAATTTTTGTATCTTACTTAGAAAAAATTAAGTTGATAT TTAAAAGAATTTTGATTTTTAATCACCTTCCACAACGATTTGATATACCTTAACTCCAC TTTCATTTTTTATAAGAGAATCACTTTCAAGGGAATAATGGATGTTACTATATTTTAA AATCTGCTTTATAAAAAAGTGTATAAATATCAATCTGCCAGATATACTTCTATCCCCAA CACAGCTGTAACTGACTAATGGGGTCATGACCATGAAGCANATTTTACTTCTAAATA GAAATGTGTANGTGGCAGATAGCGTATTTTTCAGCAGGAGTGATTCTGTTGGATCTCTT ACATGTCCNAGAGCAGTGAATAATGTTAGTATTTTATTCGGTTNCTTGCTGNGAAGGAT TATCANCATGNTGAAGTGATGGCTGTACCCAGTCGTCATACCGTCATATCTCATCTTGG AATATCGCAGGTCCCACAGAAAACAGNTAGTGTGCATTATGACGGGATCAGNCTAAT CCGTTATTACATTTGGAATTACAAAATCCATCTAGCTTAACGNCTCAN
Restriction Sites:	NotI-NotI
ACCN:	NM_025238
Insert Size:	3370 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:	<u>NM_025238.3, NP_079514.1</u>
RefSeq Size:	3308 bp
RefSeq ORF:	1449 bp
Locus ID:	53339
UniProt ID:	<u>Q9H0C5</u>
Cytogenetics:	15q25.2
Domains:	BTB

Gene Summary:

The C-terminus of the protein encoded by this gene binds topoisomerase I. The N-terminus contains a proline-rich region and a BTB/POZ domain (broad-complex, Tramtrack and bric a brac/Pox virus and Zinc finger), both of which are typically involved in protein-protein interactions. Subcellularly, the protein localizes to cytoplasmic bodies. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).