

## Product datasheet for SC301613

### BTBD1 (NM\_001011885) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | BTBD1 (NM_001011885) Human Untagged Clone                                                  |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | BTBD1                                                                                      |
| Synonyms:                 | C15orf1; NS5ATP8                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC301613 representing NM_001011885.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCCTCACTCGGGCCTGCCGAGCTGGGAGCAGCGCTCGGGGCTGAGGCGGAGCCGGGCCCGCG  
 GGGCCGCCCGCCGCCCTCACGTCCTCTCTGGGGCCCTGCTCCCCCTGCAGCGGGAACCTCTCTAC  
 AACTGGCAGGCGACCAAGGCGTCGCTGAAGGAGCGCTTCGCTTCTCTCAACTCGGAGCTGCTGAGC  
 GATGTGCGCTTCGTAAGGGTTCGCGGCCCGCCCGCTGGGGCCCGCAGCGCATCCCCGCC  
 CACCGCTTCGTGCTGGCGGCCGCGAGCGCGCTTTGACGCCATGTTCAACGGCGGCATGGCCACCAG  
 TCGGCCGAGATCGAGCTGCCGACGTGGAGCCCGCAGCCTTCTGGCGCTGCTGAGATTTCTATATTCA  
 GATGAAGTTCAAATTGGTCCAGAAACAGTTATGACCACTTTTATACTGCCAAGAAATACGAGTCCCA  
 GCCTTGGAAGCACACTGTGTAGAATTTCTACCAAAACATCTTAGGGCAGATAATGCCTTTATGTTACTT  
 ACTCAGGCTCGATTATTTGATGAACCTCAGCTTGTAGTCTTTGTCTAGATACAATAGACAAAAGCACA  
 ATGGATGCAATAAGTGCAGAAGGGTTTACTGATATTGATATAGATACACTCTGTGCAGTTTTAGAGAGA  
 GACACACTCAGTATTCGAGAAAGTCGACTTTTGGAGCTGTTGTACGCTGGGCAGAAAGCAGAATGTCAG  
 AGACAACAATTACCTGTGACTTTTGGGAATAAACAAAAAGTTCTAGGAAAAGCACTTTCTTAATCCGG  
 TTCCCACTGATGACAATTGAGGAATTTGAGCAGGTCCTGCTCAATCTGGAATTTTGTGATCGTGAA  
 GTGGTAAACCTCTTTCTCATTTTACTGTCAACCCTAAACCCCGAGTTGAATACATTGACCGACCAAGA  
 TGCTGTCTCAGGGGAAAGGAATGCTGCATCAATAGATTCCAGCAAGTAGAAAGCCGCTGGGGTTACAGT  
 GGGACGAGTGATCGAATCAGATCATTGAATATGAGAAAAAGCAAAACCCTGGGACAGAATGATACCGGCT  
 TTAGTTGTGATGGGACAGCTAACACATTCAGGGTCATGTTCAAGGAACCCATAG  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001011885                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Insert Size:</b>           | 1158 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                       |
| <b>RefSeq:</b>                | <u><a href="#">NM_001011885.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 3220 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>            | 1158 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>              | 53339                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID:</b>            | <u><a href="#">Q9H0C5</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>          | 15q25.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW:</b>                    | 42.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p> |