

## Product datasheet for **SC300466**

### BTBD7 (NM\_001002860) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD7 (NM_001002860) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTBD7
Synonyms:	FUP1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001002860, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGCTAATGCATCTAATTATCCTCATTTCATGTTCCCGAGGGTAGGGGAAATTC
CAGGCCAACAGACTTTTATAGGGACCTCATCCTATTCTCAGCAAGGCTATGGTTGCGAA
TCAAAGTTGTATAGCCTTGACCATGGCCATGAGAAACCACAAGACAAAAAAGAGAACC
TCTGGTCTTGCCACCCTCAAAAAGAGTTTATTAAGCGTCGGAAATCTAATAGGTCTGCC
GATCATGCCAAGCAGATGCGGAACTCCTCTCTGGGTGGGATGTTAGAGATGTCAATGCA
TTAGTGGAGGAATATGAGGGAACATCAGCATTAAAGGAGCTTTCTCTACAAGCCAGTTG
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TGTAAGTGTAGACTTAATATTTCAAGAACTGTTTTCTGTTTCATCGTGCCATTTTG
GCAGCAAGGTGTCCATTTTTTAAAAACACTGCTTTCTTCCTCACCAGAGTATGGGGCAGAG
ATAATAATGGACATCAATACAGCTGGTATTGATATGCCCATGTTTTCTGCTTTGTTACAC
TACCTTTATACAGGAGAGTTTGGAAATGGAGGACTCAAGGTTTTCAAATGTGCGATACCTT
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GAATTTAACATGCTTGCACAAGGCTGTGAGGATATCATTGCTGAGAGCATCTCATTAGAT
ACCTTAATTGCCATCCTCAAGTGGAGTTCTCATCCATATGGCTCTAAATGGGTGCACCGA
CAAGCTTTACATTTCTCTGTGAGGAATTTCCAGGTCATGACTTCGGATGTTTTTTAT
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CAAGATATCCTTAAATATCTGATTAATGGGGAGAGCATCAGTTGATGAAAAGAATAGCA
GATAGAGAGCCAACTTACTGAGTGGCACTGCCATAGTGTGAACAAAAGAGGTGTAATA
AGACGGGACCTGGACATGGAAGAGCTCAGAGAGATCCTTTCTTCTCTTACCTTTTGTG
CGAATTGAAACACATCTTACCTATAAACAGTGAAGTCTTAAGTGTGCAATGAAAAGAGGC
TTGATTAGTACTCCTCCATCAGATATGCTTCTACAACAGAAGGTGGGAAGTCAAATGCC
TGGTTACGGCAAAAAATGCTGGCATCTATGTTCTGTCCTCGACTTCTCTCCCTATGTG

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GAAGAAGCAAAGTCAGTGCTAGATGAGATGATGGTGAACAAACGGATCTTGTGCGCTTG  
 CGAATGGTTAGAAATGTCCAATGTGCCAGACACGCTCTACATGGTCAATAATGCCGTGCCA  
 CAGTGTGTGCACATGATCAGCCACCAGCAGATCAGCAGCAACAGTCAAGCCCTCCTTCA  
 GTTGTAGCCAACGAAATTCAGTTCTCTCGTCTCCTCATTATGAAAGACATGGTCAGACGA  
 CTGCAGGAAGTGCAGCACACGGAGCAGGTGCAGAGGGCCTATGCCCTGAACTGCGGGGAA  
 GCGCCACTGTCAGCTATGAAATTCAGATTCGAGTGTAAAGAGAGTTTGGTCTTGCGAGAT  
 GCTGCTGCAGAGCTGTTGCAGAATCCTCACAAATCTTTCTGATGAACGTTTTGGGGAT  
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 CACTTCTCGGAAAAACACACACTAGAGCAAAAAACAGACACCAGAGAAAATCCACAG  
 GAATATCCGGATTTCTATGACTTCTCAAATGCTGCTTGCAGACCTTCTACTCCTGCTCTC  
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 AATAAGGCATACCAAGTGGCTTAAAGTCAGCCTACCTACCTGGTCAGACGTCTCCTAAA  
 AACAGGAAGAAGCTAGGAGAGAATATCCACTTCCCCTGACGGGCATCTACACAGACAA  
 AAGAATGAGCCGATACACCTGGATGTCGTTGAGCAACCTCCCCAGCGGTGAGACTTTCCT  
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 GAAACTGACTTGACTTTTGGGCTGACTCCTAACAGACCTTCACTTTCTGCATGTAGCTCT  
 GAAGCTCCCGAAGAGAGATCCGGTAGAAGACTGGCAGACAGTGTGCTCCCTGGGCCATGGA  
 GCTCAGAGAAATACAGATTTGGAAAGGGAAGATTCAATAAGCAGAGGAAGGAGGTACCA  
 AGCAAGCCGGACTTCTCTACAAAAAGTCTGCCCTCTGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001002860

**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\\_001002860.2](#), [NP\\_001002860.2](#)

RefSeq Size: 8448 bp

RefSeq ORF: 3399 bp

Locus ID: 55727

UniProt ID: [Q9P203](#)

Cytogenetics: 14q32.12

**Gene Summary:** Acts as a mediator of epithelial dynamics and organ branching by promoting cleft progression. Induced following accumulation of fibronectin in forming clefts, leading to local expression of the cell-scattering SNAIL2 and suppression of E-cadherin levels, thereby altering cell morphology and reducing cell-cell adhesion. This stimulates cell separation at the base of forming clefts by local, dynamic intercellular gap formation and promotes cleft progression (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.