

## Product datasheet for **SC337444**

### BTBD7 (NM\_001289133) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD7 (NM_001289133) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTBD7
Synonyms:	FUP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001289133, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGGGGTGCTGGCGCCGGTGGCGACGGCGGTGCTGGTGGCGGGCGGGCGGAGGCGACGGCAGCG
GTCCCAGCGGCAGCAGCAGCGGGGAGGAGCCTCCGGGGCTGTGAGGATATCATTGCTGAGAGCATCTC
ATTAGATACCTTAATTGCCATCCTCAAGTGGAGTTCTCATCCATATGGCTCTAAATGGGTGCACCGACAA
GCTTTACATTTTCTGTGAGGAATTTCCAGGTCATGACTTCGGATGTTTTTATGAACTCAGCAAAG
ACCATCTGCTTACTGCTATCCAGTCTGACTACCTACAGGCAAGTGAACAAGATATCCTTAAATATCTGAT
TAAATGGGGAGAGCATCAGTTGATGAAAAGAATAGCAGATAGAGAGCCAAACTTACTGAGTGGCACTGCC
CATAGTGTGAACAAAAGAGGTGTAAAAGACGGGACCTGGACATGGAAGAGCTCAGAGAGATCCTTTCTT
CTCTCTTACCTTTTGTGCGAATTGAACACATCTTACCTATAAACAGTGAAGTCTTAAAGTATGCAATGAA
AAGAGGCTTGATTAGTACTCCTCCATCAGATATGCTTCTACAACAGAAGTGGGAAGTCAAATGCCTGG
TTACGGCAAAAAAATGCTGGCATCTATGTTCTGCTCGACTCTTCTCCTATGTGGAAGAAGCAAAGT
CAGTGTAGATGAGATGATGGTGAACAAACGGATCTTGTGCGCTTGGCAATGGTTAGAATGTCCAATGT
GCCAGACACGCTCTACATGGTCAATAATGCCGTGCCACAGTGTGTCACATGATCAGCCACCAGCAGATC
AGCAGCAACCAGTCAAGCCCTCCTTCAGTTGTAGCCAACGAAATCCAGTTCCTCGTCTCCTCATTATGA
AAGACATGGTCAGACGACTGCAGGAAGTGGCGCACACGGAGCAGGTGCAGAGGGCCTATGCCCTGAACTG
CGGGGAAGGCGCCACTGTGAGCTATGAAATTCAGATTCGAGTGTCAAGAGAGTTTGGTCTTGAGATGCT
GCTGCAGAGCTGTTGAGAAATCCTCACAAATCTTTTCTGATGAACGTTTTGGGGATGAAAGTCCACTCT
TGACAATGAGACAGCCTGGGAGATGTGCGTAACAGTACACCTCCTGCAGAAACCATGTTTACAGATCT
GGACTCTTTTGTGGCCTTCCATCCACCTTGGCCCTCCACCACCTCCCTACCACCCCCAGCTACCCCA
ATCCATAACCAACTCAAAGCAGGCTGGAAGCAAAGACCTCCAGTCAGCACCCCTCAGTTCATTTTCTT
ATCCCTGTAATCATTTCGCTGTTTCACTCCAGAACAGCTCCTAAAGCTGGCCCTCCCCAGTCTACTTGCC
GAGTGTGAAAGCTGCACCGCCTGATTGTACCAGCACTGCAGGACTGGGCAGACAGACGGTGGCTGCTGCT
GCCGCCACCACCCTCAACAGCAACAGCAGCAGCAGCAGCATCTGAGAAGCAAGTGCGAACACAAC
CTGTGCTGAATGATCTGATGCCAGACATCGCGGTGGGTGTGCCACACTGCACTCAAGGACAGGAGGCT
TCCAGAGCTTGTGTAGACACAGAATTAAGCCAGTCAGTTTCTGAAGCAGGACCAGGGCCTCCCCAGCAT
CTGTGCTGATTTCCACAGAGACATACACACTTCTCGGAAAAACACACACTAGAGCAAAAAACAGACA
CCAGAGAAAATCCACAGGAATATCCGGATTTCTATGACTTCTCAAATGCTGCTTGACAGACCTTACTCC
TGCTCTCAGCAGACGCCCTTCCCCTTCGCAAGGTGGATATTTTGGTCCCGATCTGTACAGCCACAAT
AAGGCATACCAAGTGGCTTAAAGTCAGCTACCTACCTGGTCAGACGTCTCTAAAAAACAGGAAGAAG
CTAGGAGAGAATATCCACTTTCCCCTGACGGGCATCTACACAGACAAAAGAATGAGCCGATACACCTGGA
TGTGCTTGTGAGCAACCTCCCAGCGGTGAGACTTTCCTTTGGCAGCCCCAGAAAATGCTAGTACCGGTCCA
GCCCATGTGAGGGGACGAACTGCAGTAGAACTGACTTGACTTTTGGGCTGACTCCTAACAGACCTTCACT
TTTCTGCATGTAGCTCTGAAGCTCCCGAAGAGAGATCCGGTAGAAGACTGGCAGACAGTGAAGTCCCTGGG
CCATGGAGCTCAGAGAAATACAGATTTGGAAAGGGAAGATTCAATAAGCAGAGGAAGGAGGTCACCAAGC
AAGCCGGACTTCTCTACAAAAGTCTGCCCTCTGA
    
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001289133

**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:** [NM\\_001289133.1](#), [NP\\_001276062.1](#)

**RefSeq Size:** 7233 bp

**RefSeq ORF:** 2346 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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than 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.