

Product datasheet for **SC313341**

BTBD7 (NM_018167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD7 (NM_018167) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTBD7
Synonyms:	FUP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018167, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGCTAATGCATCTAATTATCCTCATTTCATGTTCCCGAGGGTAGGGGAAATTCACAGGCCCAAC
AGACTTTTATAGGGACCTCATCCTATTCTCAGCAAGGCTATGGTTGCGAATCAAAGTTGTATAGCCTTGA
CCATGGCCATGAGAAACCACAAGACAAAAAAGAGAACCCTCTGGTCTTGCCACCCTCAAAAAGAAGTTT
ATTAAGCGTCGGAAATCTAATAGGTCTGCCGATCATGCCAAGCAGATGCGAGAATCCTCTCTGGGTGGG
ATGTTAGAGATGTCAATGCATTAGTGGAGGAATATGAGGGAACATCAGCATTAAAGGAGCTTTCTCTACA
AGCCAGTTTGGCTAGACCAGAAGCCCGGACATTGCAGAAAGATATGGCTGATCTTTATGAGTACAAGTAT
TGTAAGTGTAGACTTAATATTTCAAGAACTTGTTTTCTGTTTCATCGTGCCATTTTGGCAGCAAGGT
GTCCATTTTTTAAACACTGCTTTCTTCCCTCACCAGAGTATGGGGCAGAGATAAATGAGCATCAATAC
AGCTGGTATTGATATGCCCATGTTTTCTGCTTTGTTTACACTACCTTTATACAGGAGAGTTTGAATGGAG
GACTCAAGGTTTCAAATGTGATATCCTTGTTCAGCTTAGTGAAGAATTTGGAACCAAAATCCCTTG
ATGTAGATATGCGTGGACTCTTTGATTACATGTGTTATTATGATGTCGTCCTTAGTTTTTCTCAGACTC
TGAAGTGGTTGAAGCTTTTGGTGGAAATCAGAAGTGTATGATGAAGAGCTCAAAGCCACAAGGCTGTT
ATTTCTGCACGGTCCCCATTTTTCGAAATTTATTACAAAGGAGGATACGAACTGGTGAAGAAATCACAG
ACCGAAGTTTGAAGACTCCCAAGAATTATATTAGATGAGTCCATTATACAAAAAATATGCAACAGT
GATATTACACTGTATGTATACCGAGTGGTGGACCTCTGTTTTGCACTGTAGCCCTCTGTGGGGAGT
CTCAGTGAAGTTTCAGGCTCTCGTCGAGGGAAGCCAAACATGACCAGGGCAGAAGAAGCCATGGAACCTT
ACCACATAGCACTGTTCTTGAATTTAACATGCTTGCACAAGAGGAGACTACAGTCATCAGGCCTGCCTG
TGCAGCAGAGCTTTCAAACAGCTGCTTACTGCCTCAATCTTAA

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Restriction Sites: Please inquire

ACCN: NM_018167



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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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none">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_018167.3 , NP_060637.1
RefSeq Size:	2568 bp
RefSeq ORF:	1233 bp
Locus ID:	55727
UniProt ID:	Q9P203
Cytogenetics:	14q32.12
Domains:	BTB
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' coding exons and contains an alternate 3' terminal exon, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>