

Product datasheet for **SC121738**

TBC1D32 (NM_152730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D32 (NM_152730) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D32
Synonyms:	BROMI; C6orf170; C6orf171
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152730, the custom clone sequence may differ by one or more nucleotides

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ATGGCCATTTCTCCAGCGAGGACCAGGCGATGCTGCAGGCGATGCTGAGGCGGTTGTTCCAGAGCGTGA
AGGAGAAAATCACGGGTGCCCTTCCCTGGAGTGTCCGAAGAGATTCTTTACATCTGGAGGAACTGA
TGAAAATTTTCACAACTATGAATTTGTGAAATACCTCAGGCAGCATATAGGCAACACTTTGGGTTCTATG
ATTGAAGAAGAAATGGAAAATGCACATCTGATCGGAATCAGGGTGAAGAATGCGGCTATGATACAGTTG
TACAGCAGGTCACTAAAAGAAGCAAGAATCTAAAGAGTACAAAGAAATGATGCATTACCTGAAGAACAT
TATGATAGCTGTGGTTCGAGTCTATGATTAACAAGTTTGAAGAAGATGAGACACGAAATCAAGAAAGGCAG
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ATCAGAGTTACAAAATTTGTCAAGGAAAATTACAATTGATTTTAGACCAGTTGGATCCTGGGCAACCTAA
AGAGGTGAGATATGAAGCCTTGCAACATTATGTTTCAGCTCCTCCATCTGATGTCCTCAACTGTGAAAAT
TGGACTACTCTCTGCGAAAACTGACCGTGTCTCTTTCAGATCCTGATCCTGTGTTTAGTGACCGGATTT
TAAAATCTGTGCACAGACATTTTGTCTTCTCCATTACATATGACCAAGGAAATTTATACAAGCTTAGC
TAAGTATTTGGAGTCATACTTTCTTTCTAGGGAAAATCATATTCCTACTCTTTCAGCTGGGTAGATATA
ACTAATCCTAATATGACTCGCTTACTTAAAAAGGTTTCGTCTTCTAAATGAATATCAGAAAGAGCTCCAT
CTTCTGGATTCGTATCCAGAGAAGTATATGGAAGAAATTTGGAGAGTACTTTGTCTTGTAAACAGT
TAAACATAATCAAAGCCATGTTGTCTCACAAAAGATTTTGGATCCGATCTACTTTTTGCATTAGTTGAT
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AAACGAAATATAAGTCTCTGGTAACTACAGCCATTCAACAGTGTGTTTCAGTACTTTGAAATGTGTAAGAC
TAGGAAAGCTGATGAAACTTTGGGACATTCAAAGCATTGCAGAAACAAGCAGAAAACCTTCTACTACTTA
GGACAAGAATTACAATATATTTATTTTCACTCACTGTGCCTTTTAGGAAGATTATTGATCTATAAAC
AAGGCAGAAAACATTTCTATTAAGCTGAAGAATAAAAAAGGTTTGGTATCCCTCATAGATCTGCTTGT
TCTTTTTACCAACTTATCTATTACTCACCAAGTTGTCCAAAGATGACATCAGCTGCCCATTCAGAGAAT
TACTCTCTGCAAGTATGGTGACTGAAGTCTGTGGATACTCAGTGATCAAAAAGAAATGTGCAAGTGGAAAT
GCTTATATAACAACATTGTAATAGAGACTTCTTCAGCCTATTCACAATTTAATGAAAGGAAATGAGGC
ATCTCAAATGCTCTGAGACAGCTTAATTCATATAGCTGGATTTTGGCAAGAATTGCATCTGTAGAA
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GAAGGGCTTATTTTACTCCTTTATGGAGCAAATATGAACTCTTCTGAAGAAAGTCTACAGGTGCTCATA
TAATTGCCAGTTTTTCGAAAAAATTCTCGATGAAGATATTTCTATATTTCTGGATCAGAAATGTTGCC
TGTGGTTAAAGGAGCTTTTATTTCTGTGTGTCGTACATATATAGTACATGTGAAGGTTTGCAGGTGTTA
ATCACTTATAATTTGCATGAATCTATAGCAAAGGCATGGAAAAAGACAAGTTTGTATCAGAAAGAATTC
CTACTCCAGTAGAGGGTCTGATTCTGTTTCTTCAGTAAGCCAGGAATCCCAAACATTATGGCTTGGGA
AGATAATTTGTTAGATGATTTACTACATTTTGTGCCACCCCAAGGATTACTACTTCTCAAAGAACA
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TGCTATCTGTGACACATTACAAGAAATGCTGGTATAAAACAAGACAATGATCTTGACAAGCTTTTATTAT
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GAAAGCCCATCTGAATGCTACTTCCCTTCAGTGGAGTATACAGCTACTGATGCAAAATGTGAAGAATGAAA
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AGATGGTGCAGAAAAATGATCTTACCTGGGTTTTAAAGCATTGTGAGAGATTCTGAAACAGCAGCAAAC
TCCATAAAATCTTCTCTCTCTGCTGCAAGGGAATTATGCTGGCCATGACTGGTTTGTATCTTCTCTGT
TCATGATAATGTTGGGAGACAAAGAAAAAACATCCAATTTCTTCATCAATTTCCAGGCTCTGACTTC
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CAGCTTTTACATGTCTGGTTTTGCACCATCACAGATTTGCCTGCAATGGATAAACCAGTGTTTTTGGAA
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TATATCTGTATAGCTGTATTCAAACATTTACAGCAAGACATTCTACAGCACACTCAGACTCAAGATCTGC
AAGTTTTCTAAAAGAAGAGCACTGCATGGGTTTCGAGTGAGTGATTATTTGAATACATGGAAATTTT
GGAAACAAACTACCGAACAGTGTCTGAGAGACATGCGGAACATTAGACTGCAGAGCACATAG
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_152730 unedited
AAAGCGTTCANCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTGG
ACGTTTGATTCCAACAGATGGCCATTTCTCCAGCGAGGACCAGGCGATGCTGCAGGCGA
TGCTGAGGCGGTTGTTCCAGAGCGTGAAGGAGAAAAATCACGGGTGCCCTTCCCTGGAGT
GTGCCGAAGAGATTCTTTTACATCTGGAGGAACTGATGAAAATTTTCACAACTATGAAT
TTGTGAAATACCTCAGGCAGCATATAGGCAACACTTTGGGTTCTATGATTGAAGAAGAAA
TGGAAAAATGCACATCTGATCGGAATCAGGGTGAAGAATGCGGCTATGATACAGTTGTAC
AGCAGGTCACTAAAAGAACTCAAGAATCTAAAGAGTACAAGAAATGATGCATTACCTGA
AGAACATTATGATAGCTGTGGTTCGAGTCTATGATTAACAAGTTTGAAGAAGATGAGACAC
GAAATCAAGAAAGGCAGAAAAAATCCAAAAGGAGAAAAGCCATAGTTACCGCACAGACA
ATTGCTCTGATAGTGATTCATCATTGAATCAGAGTTACAAATTTTGTCAAGGAAAATTAC
AATTGATTTTAGACCAGTTGGATCCTGGGCAACCTAAAGAGGTGAGATATGAAGCCTTGC
AAACATTATGTTAGCTCCTCCATCTGATGTCTCAACTGTGAAAATTTGACTACTCTCT
GTGAAAAACTGACCGTGTCTCTTTCCAGATCCTGATCCTGTGTTTGTAGTGACCGGATTTTAA
ATTCTGTGCACAGACATTTTGGCTTTTCTCCATTACATATGACCAAGGGAATTATACAAG
CTTAGCTAAGTATTTGGAGTCATACTTTCTTTTNTAGGAAATATATTCCTACTCTTTCA
GCTGGNG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152730 unedited NNACTGGGGNAGGGGCTCACAGGGNATGCCACCCGGGCTCTGTTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTTCGAGTTTCTCTCAAACACTCAGTTTTATTGACTTCCACCATTCTTGTAAATGTCTGACAAATAGCATT TTGGCAATGGATATGATGAAAACATTGGCCAAGGATAGGGATTACCACCCTTTTCGAGTACCCCGGAGGCAAAATCCGTTCCAAGGGCCACCAACAAGATTTATTCTAACAAAAACATGATTTCCCCCACTGATAACCCATCAATTATAAAGCCCCCTGGGGCCCCAAAAATCCCCA AAATATTTTCTTCTTGAGCATTTAATAACATTTCAAATACCTGACTGACCCCTAACA GGAGAAAAGTGTCCAGATCACAGCATATCACACTTAATAACCTTAAACCAAGATATGTG ATTGTTCAAAGTTGAAAAAAAACCAATCTTACCTTCAAATTTCAAATATAAGTCTAT CAATAATATCAATAACCCATGTTGGGACTTCCCGAAGAAAATATTCTGTTTTATTAGGAA GATCCTTATTCTTACCACCCCAAAAATACCGGGGAAGGAAAACAAGTTCCTCCCACTGCC AAAAAAAACTTTTGACCGCTTCGGCCAAAGGCCCCATGGGGAAATTTCCGGGGTGG GTTACCCCAACAGCCCTTACCAAAAATCCCAAAAGCGCCCAAGACTTACGTGAAAA ATCCATCAGAGAGCCCCGAACCCCTTTCATCGCCACGCCACCCGGCCCGCGCCGGGA CCCCCCGCCAGAACCCGAACAACGCCAACAAAATTCAT
Restriction Sites:	NotI-NotI
ACCN:	NM_152730
Insert Size:	3000 bp
OTI Disclaimer:	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
OTI Annotation:	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
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:	<u>NM_152730.3</u> , <u>NP_689943.3</u>
RefSeq Size:	3431 bp
RefSeq ORF:	2934 bp
Locus ID:	221322

UniProt ID: [Q96NH3](#)

Cytogenetics: 6q22.31

Gene Summary: This gene encodes a TBC-domain containing protein. Studies of a similar protein in mouse and zebrafish suggest that the encoded protein is involved in sonic hedgehog signaling, and that it interacts with and stabilizes cell cycle-related kinase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the supported protein. 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.