

Product datasheet for SC318571

TBC1D32 (NM_152730) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TBC1D32 (NM_152730) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TBC1D32 |
| Synonyms: | BROMI; C6orf170; C6orf171 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC318571 representing NM_152730. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGGCCCATTTCTCCAGCGAGGACCAGGCGATGCTGCAGGCGATGCTGAGGCGGTTGTTCCAGAGCGTG
 AAGGAGAAAAATCACGGGTGCCCTTCCCTGGAGTGTGCCGAAGAGATTCTTTACATCTGGAGGAAACT
 GATGAAAAATTTCAACTATGAATTTGTGAAATACCTCAGGCAGCATATAGGCAACACTTTGGGTTCT
 ATGATTGAAGAAGAAATGAAAAATGCACATCTGATCGGAATCAGGGTGAAGAATGCGGCTATGATACA
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 AGGCAGAAAAAATCCAAAAGGAGAAAAAGCCATAGTTACCGCACAGACAATTGCTCTGATAGTGATTCA
 TCATTGAATCAGAGTTACAAATTTGTCAAGGAAAATTACAATTGATTTTAGACCAGTTGGATCCTGGG
 CAACCTAAAGAGGTGAGATATGAAGCCTTGCAACATTATGTTCAAGTCTCTCCATCTGATGTCTCTCAAC
 TGTGAAAATTGGACTACTCTCTGCGAAAAACTGACCGTGTCTCTTCAGATCCTGATCCTGTGTTTGT
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 TCCTTGTTAACAGTTAAACATAATCAAAGCCATGTTGTCTCACAAAAGATTTTGGATCCGATCTACTTT
 TTTGCATTAGTTGATACCAAGGCTGTGTGGTTCAAAAAGTGGATGCATGCACATTATAGCAGAACTACA
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 TCAGCTGCCCATTCAGAGAATTACTCTCTGCAAGTATGGTGACTGAAGTTCTGTGGATACTCAGTGAT


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CAAAAAGAAATGTGCAGTGAATGCTTATATAACAACATTGTAATAGAGACACTTCTTCAGCCTATTAC
 AATTTAATGAAAGGAAATGAGGCATCTCCAAATTGCTCTGAGACAGCTTTAATTCATATAGCTGGTATT
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 CAGGAATCCCAAAACATTATGGCTTGGGAAGATAATTTGTTAGATGATTTACTACATTTTGCTGCCACC
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 GACCGAAGCTGTCAAAGTCTTTTTAGCACTGGTGAAGTGTATCCTATCCTGCTATTTATGAGCTT
 GTAAGGAATCAAGATCTTCTAATAAAACAGAATATTCTCTCGTGAAGTCCCAACATGTGTTATTGAT
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 CATATCTTTGGTCTAAGGACTTTATAATTGATGGCTTATCAGTGGAGAGAAATCATGTTCTTGTTAGA
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 TATCCTTGGCCAATGTTTTATCATATCCATTGCCAAAGTCTATCTGTGACAGATTACAAGAAATGCT
 GGTATAAAACAAGACAATGATCTTGACAAGCTTTTATTATGCCTCAAAATATCTGATAAACAACTGAA
 TGGATAGAAAAGTCCAAAGACAATTTTGCAAAATGATGAAAGCCAAACCTGATATAATCAGTGGAGAG
 GCCTTAATAGAATTACTTGAAAAATTTGTGCTTCATCTCACTGAAAGCCCATCTGAATGCTACTTCCCT
 TCAGTGGAGTATACAGCTACTGATGCAATGTGAAGAATGAAAGTCTTTCATCTGTGACGAGCTTGGC
 ATTAATGACTGTCAGGTATGGCAATTCCTCAGTCTCTTAAAGATGGTGCAGAAAATGATCTTACC
 TGGGTTTTAAAGCATTGTGAGAGATTCTGAAACAGCAGCAAACTTCATAAAATCTTCTTCTCTGTC
 CTGCAAGGGAATTATGCTGGCCATGACTGGTTGTATCTTCTCTGTTTATGATAATGTTGGGAGACAAA
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 CTACATATTTCTAGTTACCTTCTAATGACACTGTAGAATCTGGCATCCATCCAGTATATTTTGCAGC
 ACCCATTATATTGAAATGCTACTGAAGGCTGAGTTGCCTCTTGTGTTTTCAGCTTTTACATGTCTGGT
 TTTGCACCATCACAGATTTGCCTGCAATGGATAACCCAGTGTGTTTGAATTACTTAGATTGGATAGAA
 ATCTGCCATTATATTGCTACTTGTGTTTCTTGGTCTGATTATCAAGTGTATATCTGTATAGCTGTA
 TTCAAACATTTACAGCAAGACATTCTACAGCACACTCAGACTCAAGATCTGCAAGTTTCTCTAAAAGAA
 GAAGCACTGCATGGGTTTCGAGTGAGTGATTATTTGAATACATGAAATTTTGAACAAAAGTACCGA
 ACAGTGTCTGTGAGAGACATGCGGAACATTAGACTGCAGAGCACATAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_152730 |
| Insert Size: | 3774 bp |
| 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_152730.5](#)

RefSeq Size: 5134 bp

RefSeq ORF: 3774 bp

Locus ID: 221322

UniProt ID: [Q96NH3](#)

Cytogenetics: 6q22.31

MW: 144.8 kDa

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.