

Product datasheet for **MC224194**

Tbc1d32 (NM_001033385) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d32 (NM_001033385) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d32
Synonyms:	b2b2284Clo; Bromi; C6orf170; D630037F22Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224194 representing NM_001033385 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCATTTCTCCAGCGAGGATGAGGTGATGCTGCAGGCGATGCTCCGGCAGCTGTTCCAGAGCGTGA
AGGAGAAAATCACCGGAGCTCCCTCCTTGGAGTGCGCAGAGGAGATCCTCTTGGCGCTGGAGGAGACTGA
CGAAAATTTTCAACTATGAATTTGTGAAATACCTCAGACAGCACATATGTAACATGTTGGGGTCTATG
ATTGAAGAAGAAATGGAAAATGCACATCTGATCAGAATCAGGGGAGGATTCTGGCTATGACACGGTTG
TTCAGCATGTTACCAAAAGAACGCAGGAATCTAAAGAGTATAAGGAAATGATGCATTCCCTGAAGAACAT
TATGATGGTGGTGGTTCGAGGCGATGATCAACAAGTTTGGAGGAGACGAGACACGGAGTGAGGACAGGCAG
AGGAAAATGCAGAGTGGCAGCTGCTGCACAGACAACTGCTCCGACAGTACTCCTCCTTCAATCAGAGTT
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ATATGAAGCTTTACAAACATTGTGCTCAGCTCCCCATCCGACGTCCTGAGCTGTGAGAACTGGACCACT
CTCTGTGAAAAGCTGACCACATCTGTCTGATCCAGATCCTATGTTCACTGACCGGATTTTAAAGTTCT
ACGCACAGACTTTTACCCTCTCACCGTTACATATGACCAAGGAGATTTATACAAGCTTAGCTAAAATCT
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ATAAATGTCTGATAACTACAGCAGTTCCAGCAATGTGTTCACTACTGGAGTTATGTGAAGCTATGAAAGC
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AATTATTTCCCATAAAGCTGAAGAATAGAAAAGATTGAGTATCCCTGACAAATCTGCTGGTTTTGTTTAC
TCAACTTATCTATTATTCACCAAGTTGTCCAAAGATGACCTCCATCATGTGTTGAGAACTATTCTCCT
GCAAGTATGGTACTGACGTTCTGCGGATGCTCTGCGACCAGAAAGAAATGTGCAGTCGAGTGCTTATACA



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ACAGCACAGTGACAGAGGCGCTTCTCCTGCCATTTCATAACCTGACGAAAGGAACTGCGGCTGCTCCAGA
 TTGCTCTGAGACAGCTCTAATTCATATAGCTGATATTTGGCAAGAATCGCTTCTGTGCGAGGAAGGACTC
 ATCTTACTTCTGTATGGAGAAAAATGAACTCTTCTGAAGAAGAAAGTCTTACAGGTGCTCATATAATAG
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 TGCTGCTCCTACCCTGCTGTATGAGCTAACAGCCAATCAGGAGCTTCTAATAAGGCAGAGTATTCTCT
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 AAGTGTGATCTAAAACAAGACAATGATATTGGAACCTGTTATCATGCTTCAAATGTCGGATAAAACA
 ACAGAGTGGATAGAGAAGTCCGAAGACAGTTTTGTAAAACAATGAAGTCCAAGCCTGATGCAGTCCATG
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 GGATGAAAAATGACTGTCAGGTATGGGAGGTTTCTCAATTTGTTAAAAGATGGTGCAGAAAAATGAGCTTG
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 CCTGCAAGGGAAGTACGCAGGCCATGACTGGTTTGTGCTTCTCTGTTTATGATAATGCTGGGAGACAAA
 GGAAGACCTTCCACTTCTCCAGCATTCTCCAGGCTGCTGACCTCTGCCTTCTTTGGGTGCCACGGC
 TGCATAATTCTAGGTACCTTCTGTGACACCCTAGGGACCGGCATCCATCCATCTACTTTGTCAGTGC
 TCACTACATTGAAATGCTGCTGAAGGCTGAGGTGCCGCTTGTGTTTTCGGCTTCCACATGTCTGGTTTT
 GCTCCATCCAGATTTGCTGTCAGTGGATAACTCAGTGTGTTTTGGAATTACTTAGATTGGATAGAAATAT
 GCCACTATATTGCTACTGTGTTGCTTGGTCTGATTATCAAGTGTATGTCTGCATAGCCGTTCTCAA
 ACATCTGCAGCGAGATATTCTCCAGCATACCCAGACTCAAGATCTGCAAGTCTTTCTCAAAGAAGAGCA
 CTGCATGGGTTTCGAGTGAGCAACTATTTGAATACATGGAGAATTTGGAGCAAAACTACCGACCAAGTGC
 TGCTGCGAGACATGCGCAGCATCAGAGTGCAGAACACATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033385
- Insert Size:** 3891 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).
- 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_001033385.3](#), [NP_001028557.2](#)

RefSeq Size: 7269 bp

RefSeq ORF: 3891 bp

Locus ID: 544696

UniProt ID: [Q3URV1](#)

Cytogenetics: 10 B3-B4

Gene Summary: Required for high-level Shh responses in the developing neural tube. Together with CDK20, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to Shh signaling. [UniProtKB/Swiss-Prot Function]