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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224194 representing NM_001033385
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCATTTCTCCAGCGAGGATGAGGTGATGCTGCAGGCGATGCTCCGGCAGCTGTTCCAGAGCGTGA
AGGAGAAAATCACCGGAGCTCCCTCCTTGGAGTGCGCAGAGGAGATCCTCTTGCGGCTGGAGGAGACTGA
CGAAAATTTTCACAACTATGAATTTGTGAAATACCTCAGACAGCACATATGTAACATGTTGGGGTCTATG
ATTGAAGAAGAAATGGAAAAATGCACATCTGATCAGAATCAGGGGGAGGATTCTGGCTATGACACGGTTG
TTCAGCATGTTACCAAAAGAACGCAGGAATCTAAAGAGTATAAGGAAATGATGCATTCCCTGAAGAACAT
TATGATGGTGGTGGTCGAGGCGATGATCAACAAGTTTGAGGAAGACGAGACACGGAGTGAGGACAGGCAG
AGGAAAATGCAGAGTGGCAGCTGCTGCACAGACAACTGCTCCGACAGTGACTCCTCCTTCAATCAGAGTT
ACAAATTCTGTCAAGGGAAACTACGGTTGATTTTAGACCAGTTGGATCCTGGCCAACCTAAAGAGGTGAG
ATATGAAGCTTTACAAACATTGTGCTCAGCTCCCCCATCCGACGTCCTGAGCTGTGAGAACTGGACCACT
CTCTGTGAAAAGCTGACCACATCTCTGTCTGATCCAGATCCTATGTTCACTGACCGGATTTTAAAGTTCT
ACGCACAGACTTTTACCCTCTCACCGTTACATATGACCAAGGAGATTTATACAAGCTTAGCTAAATATCT
GGAGGTATATTTTCTTTCTAGAGAAAATCACCTTCCTACTCTTTCAACTGGAGTAGACATAACCAGTCCC
AATGTGACCCGCTTACTGAAAAAGGTTCGCCTTCTGAATGAGTACCAGAAAGAGGCTCCATCTTTTTGGA
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GCAAAGCCACCTGGTGCCACAGAAGATTTTGGATCCCATCTATTTTTTCGCATTAGTTGATACTAAGGCT
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AATTATTCCCCATAAAGCTGAAGAATAGAAAAGATTCAGTATCCCTGACAAATCTGCTGGTTTTGTTTAC
TCAACTTATCTATTATTCACCAAGTTGTCCAAAGATGACCTCCATCATGTGTTCAGAGAACTATTCTCCT
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GCAAGTATGGTGACTGACGTTCTGCGGATGCTCTGCGACCAGAAAGAATGTGCAGTCGAGTGCTTATACA
ACAGCACAGTGACAGAGGCGCTTCTCCTGCCCATTCATAACCTGACGAAAGGAACTGCGGCTGCTCCAGA
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CCAAGTTTTCAAAGAAACTTCTTGAAGAAGATATTTCTATTTTTTCTGGATCGGAAATGTTGCCTGTAGT
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TATGGTTTACATGAATCCATAGCAAAGGCATGGAAGAAGACAAGCTTGCTATCAGAAAGGATCCCCACTC
CAGTAGAGGGCTCTGATTCTGTTTCCTCAGTGAGCCAGGTGTCTCCGAACAGTGTGGCTTGGGAAGACAA
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ATCAATGAATGTGTGACGTTTATGCTCAGCCAGTATGCAAAAAAGCCACAGGTCAACAGGCAGAAGAAGT
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TCGTGAAGTTCCCACATGCATCATCGATATAATGGATAGGCTTATTGTTTTGAACTCTGAAGCCAAGATC
CGGTCTTTACTGAATTATGAACAGTCGCACACCTTTGGTCTAAGGTTACTAAGTGTGGTGTGCTGTGATC
TGGATGCGCTTCTCTTACTGGAGGCTCAGTATCAAGTATCTAACATGTTATTACATGCTCAAGAAGAAAA
TACCTTTGAGATCTCTGAGAACCACAGGAACTTTATAATTGATGGATTATCAGTAGAGAGAAATCATGTT
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ATGACCCATATCCTTGGCCAATGTTTTCTTCATATCCATTGCCACACTGCTATCAGTCAGAAGGTCCACG
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ACAGAGTGGATAGAGAACTGCCGAAGACAGTTTTGTAAAACAATGAAGTCCAAGCCTGATGCAGTCCATG
GAAGTGCCTTAGGAGAACTACTGGAAAAATTTGTGCTGCTTCTCACCGAAAACCCATCTGAATGTTACTT
CCCTTCAGTGGAATACACAGCTACTGATGCAAATGTGAAGAATGAAAGTCTCTCATCTGTGCAGCAGCTT
GGCATGAAAATGACTGTCAGGTATGGGAGGTTTCTCAATTTGTTAAAAGATGGTGCAGAAAATGAGCTTG
CTTTGGTCTTAAAGCATTGTGAGAAATTCCTGAAACAACAGCAGTCACCGGTCACTTCTTCTCTCCTGTG
CCTGCAAGGGAACTACGCAGGCCATGACTGGTTTGTGTCTTCTCTGTTCATGATAATGCTGGGAGACAAA
GGGAAGACCTTCCACTTTCTCCAGCATTTCTCCAGGCTGCTGACCTCTGCCTTCCTTTGGGTGCCACGGC
TGCATAATTCTAGGTACCTTCCTGTCGACACCCTAGGGACCGGCATCCATCCCATCTACTTTTGCAGTGC
TCACTACATTGAAATGCTGCTGAAGGCTGAGGTGCCGCTTGTGTTTTCGGCTTTCCACATGTCTGGTTTT
GCTCCATCCCAGATTTGCCTGCAGTGGATAACTCAGTGTTTTTGGAATTACTTAGATTGGATAGAAATAT
GCCACTATATTGCTACTTGTGTTGTCCTTGGTCCTGATTATCAAGTGTATGTCTGCATAGCCGTTCTCAA
ACATCTGCAGCGAGATATTCTCCAGCATACCCAGACTCAAGATCTGCAAGTCTTTCTCAAAGAAGAAGCA
CTGCATGGGTTTCGAGTGAGCAACTATTTTGAATACATGGAGAATTTGGAGCAAAACTACCGACCAGTGC
TGCTGCGAGACATGCGCAGCATCAGAGTGCAGAACACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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]

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