

## Product datasheet for **MR208767**

### **Tbccd1 (NM\_001081368) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbccd1 (NM_001081368) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbccd1
Synonyms:	5730478M09Rik; AU015083; BB165076
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208767 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCAGTCCGGAGTTCTCCTCTGGGTGAAGGCAGAACCTTTTCTGTGGGTGCCTTGCAAGAGCCAC  
 CTCGTCCAAATTCAGCCTTCACTACCTTAGAAAGATAGCCACCTATGTGCGAACTCGGGCCACAGAGGG  
 CGCTACCCACACCTGTACTGGCTACCTGGAGGCACATTGCGTGCGAAAGCTGCAAGTTGGCTAAGGAT  
 CTAGCGTGGCTTTACTTTGAAATGTTTGATAATCTTTCTGTGAGGACACCTGAAGAAGCGCTGGAATGGT  
 CTGAAATTTTGTCCAACCTGCGCAACCGAAGAGGAAAGTCAAAAAGCAAAGAAGTCACTTTTATGTGGACAC  
 GCTGCAATTCCTGCTCTTTCTGTATATCCAGCAGTTAAACAGGATCTCTCTGCGGACATCATTGATTGGG  
 GAAGAATGGCCAGTCGAGAAGCAGACCTCAGTCTCTAGCCCGGCTGAAAGGCCAGTTGTCACAATA  
 AGAATTGGAATGACTACAGTACCAGGCTTTTGTCTGTAATCATCTGTGAGAGCTCCTCGAGCTGCTTCT  
 AGACCCAGAGCAGCTCACTGCCTCCTTTCACTCGACCCACAGCAGTCTGCTCTCCCGGGATGCTGTCAGG  
 GCCTCAGCTTTCTCATTGAAGGCACCGTGAGCAGAGCCAAGAAGGTCTATCCCTTCATCAACTTGCAC  
 TGTGGCAACCACTGCACGTAGCAAGTGGCTTCTCAAAGAGCTCTAAGACTTTCTCTCTACAAGCTGGA  
 AGCATGGTTGAGGGCCTCTTGACCACAAATCCGTTTGGTCCATCTGCTTGCCTCAAGTCTGAAAGAAA  
 TTGGCTTGGGCTCACCAAGTTGAAGGTTGACCAAAAAGAGCCAAGATTGCTTGCAATGCTCACATGGCTC  
 CTCGGTTGCACCGCATCGTGGTATGAGCCAGGTTTACAAGCAGACACTGGCCAAGAGCTCAGAACTCT  
 AGTAGGAGCACATGTGAGGGCTCATCGTGCAGTGAGTCTTTTATATCTGCTCTCCCTTACGATCC  
 ATGACAATGAAAAATGCAGGAATAGTACCTTTGTGTTGGTCTGTGGAGACGACTCTTACCTACATG  
 ACTGTGAGAATCTAAAAGTCATTGCTGTTTCCACCGACTGTCCATCTTCTACAACAAGCTGCACCTT  
 TCACATTATGACACCTTACGTCCACTTATTCTCTCTGGAACCAGACAGTAACTTTTGCCCTTTTCAT  
 ACCCATTACCAATGCTGGAGGACCACATGGCCAGGACTGGCCTTGTACAGTGCCTAAGTATTGGGATA  
 ACCCGATGGTGGTGTGCAAGAAGGCTCTGTACAAGTCTCTTCCGGCTCTTGCCTCCTTCTGAGTTCTA  
 CATATTTGTTATTCCTTTGAGATGGAAGGGGACACAGCAGAGATACCTGGGGTCTCCCTCTGCCTAC  
 CAGAAAGCACTGGCTCAAAGAGAAGAGACATACATATCTGGCAGAAAAGTGAAGGAGGCTCGTTTGA  
 CAAAGGAGCAGAGGAAGCAGTTCAGGCCCTAGTGAGAAACAAGTTCTATGAGTGGTTGGTTAGCACCGG  
 ACATCGGCAGCAGCTGGACAGCCTTGTGCCACTCCAGCAGCCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208767 protein sequence  
 Red=Cloning site Green=Tags(s)

MDQSGVLLWVKAEPFLVGLAQEPPPSKFSLHYLRKIATYVRTRATEGAYPHLYWPTWRHIACGKLQLAKD  
 LAWLYFEMFDNLSVRTPEERLEWSEILSNCAEEEEVEKQRSQLYVDLQFLLFLYIQQLNRI SLRTSLIG  
 EEWPSRRSRPQSPSPAERPSCHNKNWYDYSQAFVCHLSELLELLLDPEQLTASFHSTHSSLLSRDAVT  
 ALSFLIEGTVSRAKKVYPLHQLALWQPLHVASGFSSKSTFSLYKLEAWLRASLTTNPFGPSACLKSGKK  
 LAWAHQVEGSTKRAKIACNAHMAPRLHRIVVMSQYKQTLAKSSETLVGAHVRAHRCSESEFYLLSPLRS  
 MTIEKCRNSTFVLGPVETLHLHDCENLKVIACHRLSISSTTCTFHIMTPSRPLILSGNQTVTFAPFH  
 THYPMLLEDHMARTGLATVPNYWDNPMVCKEKSVTSLFRLLPPSEFYIFVIFEMEGDTAEIPGGLPSAY  
 QKALAQREESIHIWQKTVKEARLTKEQRKQFQALVENKFYEWLVSTGHRQQLDLSLVPTPAAS

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001081368

**ORF Size:** 1659 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001081368.1](#), [NM\\_001081368.2](#), [NP\\_001074837.1](#)

**RefSeq Size:** 2724 bp

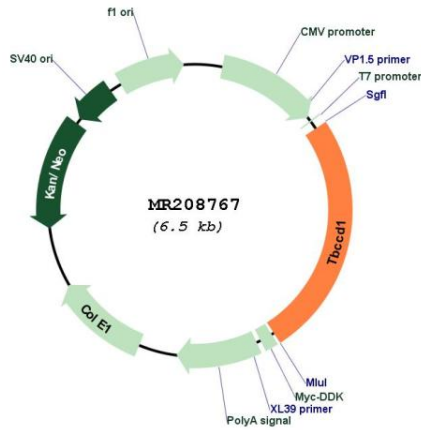
**RefSeq ORF:** 1659 bp

**Locus ID:** 70573

**UniProt ID:** [Q640P7](#)

**Cytogenetics:** 16 B1  
**MW:** 62.8 kDa  
**Gene Summary:** Plays a role in the regulation of centrosome and Golgi apparatus positioning, with consequences on cell shape and cell migration.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208767