

Product datasheet for **MG208767**

Tbccd1 (BC082558) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbccd1 (BC082558) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbccd1
Synonyms:	5730478M09Rik; AU015083; BB165076
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208767 representing BC082558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCAGTCCGGAGTTCTCCTCTGGGTGAAGGCAGAACCTTTTCTGTGGGTGCCTTGCAAGAGCCAC
 CTCCTGCCAAATTCAGCCTTCACTACCTTAGAAAAGATAGCCACCTATGTGCGAACTCGGGCCACAGAGGG
 CGCCTACCCACACCTGTACTGGCCTACCTGGAGGCACATTGCGTGCAGAAAGCTGCAAGTTGGCTAAGGAT
 CTAGCGTGGCTTTACTTTGAAATGTTTGATAATCTTTCTGTGAGGACACCTGAAGAACGCCTGGAATGGT
 CTGAAATTTTGTCCAACCTGCGCAACCGAAGAGGAAAGTCAAAAAGCAAAGAAGTCACTTTTATGTGGACAC
 GCTGCAATTCCTGCTCTTTCTGTATATCCAGCAGTTAAACAGGATCTCTCTGCGGACATCATTGATTGGG
 GAAGAATGGCCAGTGCAGAAAGCAGACCTCAGTCTCTAGCCCGGCTGAAAGGCCAGTTGTACAATA
 AGAATTGGAATGACTACAGTACCAGGCTTTTGTCTGTAATCATCTGTCAGAGCTCCTCGAGCTGCTTCT
 AGACCCAGAGCAGCTCACTGCCTCTTTCACTCGACCCACAGCAGTCTGCTCTCCCGGGATGCTGTCAGG
 GCGCTCAGCTTTCTCATTGAAGGCACCGTGAGCAGAGCCAAGAAGGTCTATCCCTTCATCAACTTGCAC
 TGTGGCAACCACTGCACGTAGCAAGTGGCTTCTCAAAGAGCTCTAAGACTTTCTCTCTACAAGCTGGA
 AGCATGGTTGAGGGCCTCTTTGACCACAAATCCGTTTGGTCCATCTGCTTGCCTCAAGTCTGAAAGAAA
 TTGGCTTGGGCTCACCAAGTTGAAGGTTGACCAAAAAGAGCCAAGATTGCTTGCAATGCTCACATGGCTC
 CTCGGTTGCACCCGATCGTGGTATGAGCCAGGTTTACAAGCAGACACTGGCCAAGAGCTCAGAACTCT
 AGTAGGAGCACATGTGAGGGCTCATCGTGCAGTGAAGTCTTTTATATCTGCTCTCCCTTACGATCC
 ATGACAATGAAAAATGCAGGAATAGTACCTTTGTGTTGGTCTGTGGAGACGACTCTTACCTACATG
 CTGTGAGAATCTAAAAGTCATTGCTGTTTGGCACCAGCTGCCATCTCTTACAACAAGCTGCACCTT
 TCACATTATGACACCTTACGTCCACTTATTCTCTCTGGAACCAGACAGTAACCTTTGCCCTTTCAT
 ACCCATTACCAATGCTGGAGGACCACATGGCCAGGACTGGCCTTGTACAGTGCCTAACTATTGGGATA
 ACCCGATGGTGGTGTGCAAGAAGGCTCTGTACAAGTCTCTTCCGGCTTGTGCTCCTTCTGAGTTCTA
 CATATTTGTTATTCCTTTGAGATGGAAGGGGACACAGCAGAGATACCTGGGGTCTCCCTCTGCCTAC
 CAGAAAGCACTGGCTCAAAGAGAAGAGACATACATCTGGCAGAAAAGTGAAGGAGGCTCGTTTGA
 CAAAGGAGCAGAGGAAGCAGTTCAGGCCCTAGTGAGAAACAAGTTCTATGAGTGGTTGGTTAGCACCGG
 ACATCGGCAGCAGCTGGACAGCCTTGTGCCCACTCCAGCAGCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208767 representing BC082558
 Red=Cloning site Green=Tags(s)

MDQSGVLLVWKAEPFLVGLAQEPPPSKFSYLHLRKIATYVVRTRATEGAYPHLYWPTWRHIACGKLQAKD
 LAWLYFEMFDNLSVRTPEERLEWSEILSNCAEEEEVEKQRSQLYVDLQFLFLFYIQQLNRI SLRSLIG
 EEWPSRRSRPQSPSPAERPSCHNKNWYDYSQAFVFNHLSLELELLLDPEQLTASFHSTHSSLLSRDAVT
 ALSFLIEGTVSRRAKVVYPLHQLALWQPLHVASGFSKSSKTFSLYKLEAWLRASLTNPFGPSACKLSGKK
 LAWAHQVEGSTKRAKIACNAHMAPRLHRIVMSQVYKQTLAKSSETLVGAHVRAHRCSESFYLLSPLRS
 MTIEKCRNSTFVLGPVETLHLHDCENLKVIAVCHRLSISSTTCTFHIMTPSRPLILSGNQTVTFAPFH
 THYPMLLEDHMARTGLATVPNYWDNPMVCKEKSVTSLFRLLPPSEFYIFVIPFEMEGDTAEIPGGLPSAY
 QKALAQREESIHIWQKTVKEARLTKEQRKQFQALVENKFYEWLVSTGHRQQLDSLVPPTAAS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	BC082558
ORF Size:	1658 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:	<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:	BC082558 , AAH82558
RefSeq Size:	2693 bp
RefSeq ORF:	1658 bp
Locus ID:	70573
Cytogenetics:	16 B1
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]