

Product datasheet for **RG225954**

TBCCD1 (NM_001134415) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | TBCCD1 (NM_001134415) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | TBCCD1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG225954 representing NM_001134415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCAGTCCAGAGTTCTCCTCTGGGTGAAAGCAGAACCCTTTATAGTGGGTGCCTTGCAAGTCCCC
 CTCATCCAAGTTTGTCTTCACTATCTCAGGAAGATATCCACCTATGTGCAAATCCGGGCCACAGAAGG
 AGCTTACCCGCGCCTCTACTGGTCTACATGGAGGCACATCGCTTGTGGGAAGCTGCAAGTGGCAAGGAC
 CTGGCGTGGCTTACTTCGAAATATTTGATAGTCTTCAATGAAGACACCTGAGGAGCGCCTGGAATGGT
 CTGAGGTTCTGTCCAAGTGCATGTCTGAGGAGGAAGTTGAAAAGCAGAGAAATCAGCTTTCAGTGGACAC
 GCTACAGTTTCTGCTCTTCTTATACATTCAACAGTTGAACAAGGTCTCCCTAAGGACATCTTTGATTGGC
 GAAGAGTGGCCAGTCCCAGAAACAAATCTCAGTCTCCTGACCTGACTGAAAAATCTAATGTGATAATA
 AGAACTGGAATGATTACAGTACCAAGCTTTTGTCTATGATCATCTGTCTGATCTCCTCGAGCTGCTTTT
 AGATCCAAAACAACCTCACTGCATCATTTCAATCAACCCATAGTAGTCTAGTGTCTCGAGAAGCTGTTGTG
 GCGCTCAGCTTCCTTATTGAAGGTACAATAAGTAGAGCCAGGAAGATCTATCCACTTCATGAACTTGCAC
 TGTGGCAACCACTGCATGCAGATAGTGGCTTCTCAAAGATCTCTAAGACTTTCTCTTTCTACAACTGGA
 AACCTGGTTGAGGTCTGTTGACTGGGAATCCATTTGGTACATCAGCTTGCCTCAAGTCTGAAAAGAAA
 TTGGCTTGGGCTCATCAAGTTGAAGGGACCACAAAAGAGCTAAGATTGCTTGAATACTCATGTGGCC
 CTAGGATGCACCGACTGGTAGTATGAGCCAGGTTTACAAGCAGACACTGGCTAAGAGCTCAGACACTCT
 GGCGGGGACATGTAAGATTCATCGTTGCAACGAATCTTTTATATCTGCTCTCTCCCTTACGATCT
 GTGACAATTGAGAAGTGCAGGAATAGCATCTTTGTCTTGGGCCCTGTAGGACTACACTTACCTCCACA
 GTTGTGACAATGTTAAAGTCATTGCTGTTGCCATCGTTTGTCCATCTCTTACAACAGGTTGCATCTT
 TCAGTTCCTTACGCCTACACGCCCACTTATTCTCTCTGGGAACCAGACAGTAACCTTTGCCCTTTTCAT
 ACACATTACCAATGCTAGAGGACCATATGGCCAGGACTGGCCTTGTACAGTGCCTAATATTGGGATA
 ATCCAATGGTTGTGTGCAGAGAGAACAGCGACACAAGAGTCTTCCAGCTTTTACCACCTTGTGAATTCTA
 TGTATTTATTATCCCTTTGAAATGGAAGGGGACACAACAGAGATACCCGGGGTCTTCCATCTGTATAT
 CAGAAAGCACTGGGTCAAAGAGAACAGAAGATACAGATCTGGCAGAAAAGTGAAGGAGGCTCATTGGA
 CAAAGGATCAAAGGAAGCAGTTCAGGTACTGGTAGAGAAACAAGTTTTATGAATGGTTGATTAATACAGG
 ACATCGCCAACAGCTGGACAGCCTGTACCCCTGCAGCAGGCTCAAACAAGCAGCTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225954 representing NM_001134415
 Red=Cloning site Green=Tags(s)

MDQSRVLLWVKAEPFIVGALQVPPPSKFSLHYLRKISTYVQIRATEGAYPRLYWSTWRHIACGKLQLAKD
 LAWL YFEIFDSL SMKTP EERLEWSEVLSNCMSEEEVEKQRNQLSVDTLQFLFLFYIQQLNKVSLRSLIG
 EEWPSPRNKSQSPDLTEKSNCHNKNWNDYSHQAFVYDHLSDLLELLLDPKQLTASFHSTHSSLVSREAVV
 ALSFLIEGTISRARKIYPLHELALWQPLHADSGFSKISKTF SFYKLETWLRSLTGNPFGTSACLKSGKK
 LAWAHQVEGTTKRAKIA CNTHVAPRMHRLVVMQVYKQTLAKSSDTLAGAHVKIHRNESFIYLLSPLRS
 VTIEKCRNSIFVLGPVGTTLHLHSCDNVKVIAVCHRLSISSTTGCIFHVLTPTRPLILSGNQTVTFAPFH
 THYPMLEDHMARTGLATVPNYWDNPMVVCRENDS TRVFQLLPPCEFYVFIIPFEMEGDTEIPGGLPSVY
 QKALGQREQKIWIQKTVKEAHLTKDQRKQFQVLVENKFYEWLINTGHRQQLDSL VPPAAGSKQAAG

TRTRPLE - GFP Tag - V

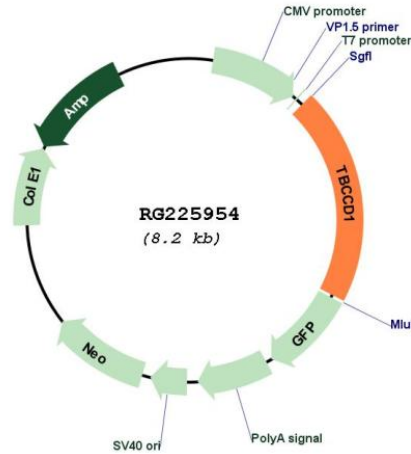
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001134415

ORF Size: 1671 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_001134415.1](#), [NP_001127887.1](#)

RefSeq Size: 3080 bp

RefSeq ORF: 1674 bp

Locus ID: 55171

UniProt ID: [Q9NVR7](#)

Cytogenetics: 3q27.3

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]