

Product datasheet for **RR204979**

Tbccd1 (NM_001012016) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbccd1 (NM_001012016) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbccd1
Synonyms:	Crygs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204979 representing NM_001012016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCAGTCTGGAGTTCTCCTCTGGGTAAGGCGAGAACCTTTTATAGTGGGTGCCTTGCAGGAGCCAC
 CTCCATCCAAATTGAGTCTTCACTACCTCAAGAAGGTAGCTGCCTATGTGCGCACTCGGGCCACCGAACG
 TGCTACCCACGCTCTACTGGCCAACCTGGAGGCACATTGCGTGTGGGAAGCTGCAGCTGGCTAAGGAT
 CTAGCATGGCTTTACTTTGAAATATTTGATAATCTTTCTGAGAGGACACCTGAGGAACGCCTGGAATGGT
 CTGAAATTTGTCCAACCTGCACAACCAAGATGAAGTTGAAAAGCAAAGAAATCAGCTTTCTGTGGACAC
 GCTGCAATTTCTGCTCTTCTGTACATCCAGCAGTTAAACAAGATCTCGTGCAGGACATCGTTTATTGGG
 GAAGAATGGCCAGTCCCAGAAACAGACCGAAGTCTCCTAGCCCAGCCGAAAGGTCCAGTTGTACAATA
 AGAATTGGAATGACTACAATCACCAGGCTTTTGTCTGTGATCATCTGTGAGAGCTCCTCGAGCTGCTTCT
 AGATCCAGAACAGCTCACTGAGTCTTCCACTCAACCCAGAGTAGTCTGCTCTCACGAGAAGCTGTCAGG
 GCACTCAGCTTTCTCATTGAAGGCACCGTGAGCAGAACCAAGAAGGTCTACCCCTTCATGAACTTGCAC
 TGTGGCAACCACTGCACGCAGCAATGGCTTCTCAAAGATCTCTAAGACTTTCTCTGTACAAGCTGGA
 AGCATGGTTGAGGGCCTGTTGACTACAATCCATTTGGTCTATCTGCTTGCCTCCAGTCTGAAAGAAA
 TTGGCTTGGGCTCATAAAGTTGAAGGTGCGACCAAAAGAGCTAAGATTGCCTGCAATGCTCACATGGCCC
 CTCGGTCGCATCGCATCGTGGTTATGAGCCAGGTTTGAATCAGACACTGGCCAAGAGCTCAGAACTCT
 AGTAGGAGCACACGTCAAGGCTCATCGTGCACAGAGTCTTTCATATATCTGCTCTCCCCCTTACGGTCC
 ATGACAATTGAAAAGTGCAGGAATAGTACCTTTGTGTTGGTCTGTGGAGACGGCTCTTACCTACACG
 GCTGTGAGAATCTGAAAGTCATTGCTGTTGCCATCGACTGTCGCTGTCTTCTACAATAGGCTGCACCTT
 TCACATTATGACCCCTTACGCCCACTTATTCTCTCTGAAACCAGACAGTAACTTTTGCCCTTTCAT
 ACCCATTACCAATGCTAGAGGACCACATGGCCAGGACTGGCCTTGTACAGTACCTAATATTGGGATG
 ACCCGATGGTTTTGGCGGAGAAGGCACTGACACAAGGGTCTTCCAGCTTTGCCTCCCTCTGAGTTCTA
 TGTATTTGCTACTCCCTTTGAGATGGAAGGGGACACAGCAGAGATACCTGGGGTCTCCCCCTGCCTAC
 CAGAAAGCACTGGCTCACAGAGAGCAGAGGATACATAACTGGCAGAAAAGTGAAGGAGGCTCGTTTGA
 CAAAGGAGCAGAGGAAGCAGTTCAGGTCCTCGTGGAGAACAAGTTCTATGAGTGGTTGGTTAGTACAGG
 ACATCGACAGCAGCTGGACAGCCTCGTCCACCTCCAGCAGCCTCAACCAAGTGGCCAAAAGGACCTC
 ACATGGAGCCATGGGGCTCTGGAGACG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204979 representing NM_001012016
 Red=Cloning site Green=Tags(s)

MDQSGVLLWVKAEPFIVGALQEPPPSKLSLHYLKKVAAYVRTRATERAYPRLYWPTWRHIACGKLQLAKD
 LAWLYFEIFDNLSEPTPEERLEWSEILSNCTTKDEVEKQRNQLSVDLQFLLFLYIQQLNKISLRTSFIG
 EEWSPSPRNRPKSPSPAERSSCHNKNWNDYNHQAFVCDHLSLELLLLDPEQLTESFHSTQSSLLSREAVT
 ALSFLIEGTVSRKTKVYPLHELALWQPLHAANGFSKISKTFSLYKLEAWLRACLTTPFGLSACLQSGKK
 LAWAHKVEGATKRAKIACNAHMAPRSHRIVVMSQVCNQLAKSSETLVGAHVRAHRCNESFIYLLSPLRS
 MTIEKCRNSTFVLGPVETALHLHCENLKVIACHRLSVSSTIGCTFHIMTPSRPLILSGNQTVTFAPFH
 THYPMLDHMARTGLATVPNYWDDPMVLGEGTDTRVFQLLPPSEFYVFTPFEMEGDTAEIPGGPPAY
 QKALAHREQRIHNWQKTVKEARLTKEQRKQFQVLVENKFYEWLVSTGHRQQQLDSLVPAAASNVAKKDL
 TWSHGALET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012016

ORF Size: 1707 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_001012016.1](#), [NP_001012016.1](#)

RefSeq Size: 2167 bp

RefSeq ORF: 1710 bp

Locus ID: 303830

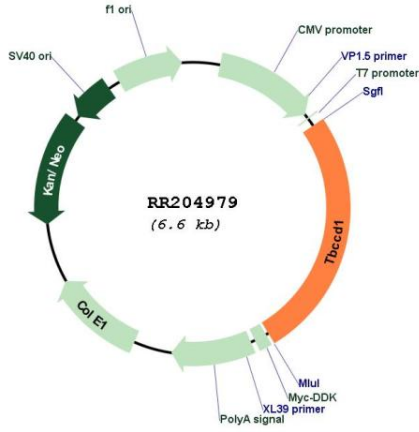
UniProt ID: [Q5FVR8](#)

Cytogenetics: 11q23

MW: 64.7 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 RR204979