

Product datasheet for **RC228542**

TBC1D15 (NM_001146213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D15 (NM_001146213) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBC1D15
Synonyms:	RAB7-GAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC228542 representing NM_001146213
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCGGGTGTGTGAGCGGGAAGATTATATATGAACAAGAAGGAGTATATATTCATCATCTT
GTGAAAAGACCAATGACCAAGACGGCTTGATTTTCAGGAATATTACGTGTTTTAGAAAAGGATGCCGAAGT
AATAGTGGACTGGAGACCATTGGATGATGCATTAGATTCTCTAGTATTCTCTATGCTAGAAAGGACTCC
AGTTTCAGTTGTAGAATGGACTCAGGCCCAAAAAGAAAGAGGTCATCGAGGATCAGAACATCTGAACAGTT
ACGAAGCAGAATGGGACATGGTTAATACAGTTTCATTTAAAAGGAAACCACATACCAATGGAGATGCTCC
AAGTCATAGAAATGGGAAAAGCAATGGTCATTCTGTTTCAGTTTGACAGACCTGAAATCAATCAAGCAA
AACAAAGAGGGTATGGGCTGGTCTATTTGGTATTCTGTCTAAAGGATGACGTCGTTCTCCCTGCTCTAC
ACTTTTCATCAAGGAGATAGCAAACACTGATTGAATCTCTTGAAAAATATGTGGTATTGTGTGAATCTCC
ACAGGATAAAAAGAACACTTCTTGTAATTGTCAGAATAAGAGTCTTTCACAGTCTTTTGAAAATCTTCTT
GATGAGCCAGCATATGGTTTAATACAAAAAATTAAGGACCCTTATACGGCAACTATGATAGGATTTT
CCAAAGTCACAAACTACATTTTTGACAGTTTGAGAGGCAGCGATCCCTCTACACATCAACGACCACCTTC
AGAAATGGCAGATTTTCTTAGTGATGCTATTCCAGGTCTAAAGATAAATCAACAAGAAGAACCAGGATTT
GAAGTCATCACAAGAATTGATTTGGGGGAACGCCCTGTTGTTCAAAGGAGAGAACCAGGATCACTGGAAG
AATGGACTAAGAACATTGATTCTGAAGGAAGAATTTAAATGTAGATAATATGAAGCAGATGATATTTAG
AGGGGGACTTAGTCATGCATTGAGAAAGCAAGCATGGAATTTCTTCTGGGTTATTTTCCCTGGGACAGT
ACCAAGGAGGAAAAGAACCAATTACAAAAGCAAAAAGTATGAGGTTAAGAGATTATAGAAGTCTTATCGAAAAGA
AATCCATCAGCCAGGAACAAGAAAAAGAAATTCGAGGTTAAGAGATTATAGAAGTCTTATCGAAAAGA
TGTTAACAGAACAGATCGAACAAACAAGTTTTATGAAGGCCAAGATAATCCAGGGTTGATTTTACTTCAT
GACATTTTGATGACCTACTGTATGTATGATTTTGGATTTAGGATATGTTCAAGGAATGAGTGATTTACTTT
CCCCTCTTTTATATGTGATGGAAAATGAAGTGGATGCCTTTTGGTGTCTTGCCTCTTACATGGACCAAT
GCATCAGAATTTTGAAGAACAAATGCAAGGCATGAAGACCCAGCTAATTCAGCTGAGTACCTTACTTCGA
TTGTTAGACAGTGGATTTTGCAGTACTTAGAATCTCAGGACTCTGGATACCTTTATTTTGGCTTCAGGT
GGCTTTTAAATCAGATTTCAAAGGGAATTTAGTTTTCTAGATATTCTTCGATTATGGGAGGTAATGTGGAC
CGAACTACCATGTACAAATTTCCATCTTCTCTGTTGTGCTATTCTGGAATCAGAAAAGCAGCAATA
ATGGAAAAGCATTATGGCTTCAATGAAATACTTAAGCATATCAATGAATTGTCCATGAAAATTTGATGTGG
AAGATATACTCTGCAAGGCAGAAGCAATTTCTCTACAGATGGTAAAATGCAAGGAATGCCACAAGCAGT
CTGTGAGATCCTTGGGCTTCAAGGCAGTGAAGTTACAACACCAGATTCAGACGTTGGTGAAGACGAAAAT
GTTGTCATGACTCCTTGTCTACATCTGCATTTCAAAGTAATGCCTTGCCTACACTCTCTGCCAGTGGAG
CCGAAATGACAGCCCAACACAGATACCAGTGTCTCAGATGTCTGCAGATTAACACCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228542 representing NM_001146213
 Red=Cloning site Green=Tags(s)

MAAAGVVS~~SGKIIYEQEGVYIHSSCGKTNDQDGLISGILRVLEKDAEIVDWRPLDDALDSSSILYARKDS~~
 SSVV~~EW~~TQAPKERGHRGSEHLNSYEAEDM~~VNTVSFKRKPHTNGDAPSHRNGKSKWSFLFSLTDLKSIKQ~~
 NKEGMGWSYL~~VFCLKDDVLPALHFFHQGDSKLLIESLEKYVVLCESPQDKRLLVNCQNKLSQS~~FENLL
 DEPAYGLIQKIKKDPYTATMIGFSKVTNYIFDSL~~R~~GSDPSTHQ~~RPPSEMADFLSDAIPGLKINQQE~~EPGF
 EVITRIDLGERPVVQRREPVSLEEWTKNIDSEGRILNVDNMKQMI~~FRGGLSHALRKQAWKFLLYG~~YFPWDS
 TKEERTQLQKQKTDEYFRMKLQWKSISQEQEK~~RNSRLRDYRSLIEKDVNRTDRTNKFYEQDNPGLILLH~~
 DILMTYCYMDFDLGYVQGM~~SDLLSPLLVMENEVDAFWCFASYMDQMHNQFEEQM~~QGMKTQLIQLSTLLR
 LLD~~SGFCSYLESQDSGYLYFCFRWLLIRFKREFSFLDILRLWEVMWTEL~~PCTNFHLLCCAILESEKQ~~QI~~
 MEKHYGFNEILKHINELSMKIDVEDILCKAE~~AISLQMVCKELPQAVCEILGLQGSEVTPDSDVGEDEN~~
 VVMTPCPTSAFQSNALPTLSASGAR~~ND~~SPTQIPVSSDVCRLTPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001146213

ORF Size: 2022 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001146213.2](#)

RefSeq ORF: 2025 bp

Locus ID: 64786

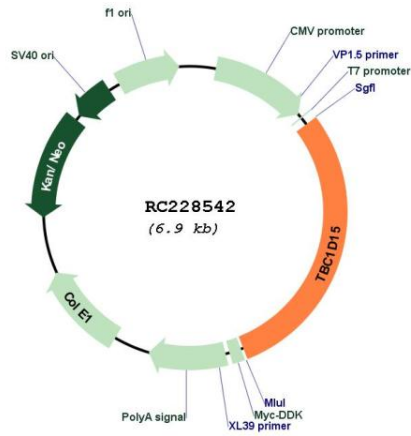
UniProt ID: [Q8TC07](#)

Cytogenetics: 12q21.1

MW: 77.4 kDa

Gene Summary: This gene encodes a member of the Ras-like proteins in brain-GTPase activating protein superfamily that share a conserved Tre-2/Bub2/Cdc16 domain. The encoded protein interacts with Ras-like protein in brain 5A and may function as a regulator of intracellular trafficking. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RC228542