

Product datasheet for **RC228533**

TBC1D15 (NM_001146214) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D15 (NM_001146214) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>RC228533 representing NM_001146214
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTGTCCAGACTTTATCCATACTCCAGTTTGTGGAGTATGGTAGGAGTATGATTATATATGAACAAG
AAGGAGTATATATCACTCATCTTGTGGAAAGACCAATGACCAAGACGGCTTGATTTTCAGGAATATTACG
TGTTTTAGAAAAGGATGCCGAAGTAATAGTGGACTGGAGACCATTGGATGATGCATTAGATTCTCTAGT
ATTCTCTATGCTAGAAAAGGACTCCAGTTCAGTTGTAGAATGGACTCAGGCCCCAAAAGAAAGAGGTCATC
GAGGATCAGAACATCTGAACAGTTACGAAGCAGAATGGGACATGGTTAATACAGTTTCATTTAAAAGGAA
ACCACATACCAATGGAGATGCTCCAAGTCATAGAAATGGGAAAAGCAAATGGTCATTCTGTTCAGTTTG
ACAGACCTGAAATCAATCAAGCAAAAACAAAGGGTATGGGCTGGTCCTATTTGGTATTCTGTCTAAAGG
ATGACGTCGTTCTCCCTGCTCTACACTTTCATCAAGGAGATAGCAAACACTACTGATTGAATCTCTGAAAA
ATATGTGGTATTGTGTGAATCTCCACAGGATAAAAGAACACTTCTGTGAATTGCAGAATAAGAGTCTT
TCACAGTCTTTTAAAAATCTTCTTGATGAGCCAGCATATGGTTTAAATACAAAAAATTA AAAAGGACCCTT
ATACGGCAACTATGATAGGATTTTCCAAAGTCACAACTACATTTTGTACAGTTTGAGAGGCAGCGATCC
CTCTACACATCAACGACCACCTTCAGAAATGGCAGATTTTCTTAGTGATGCTATTCCAGGTCTAAAGATA
AATCAACAAGAAGAACCAGGATTTGAAGTCATCACAAGAATTGATTTGGGGGAACGCCCTGTTGTTCAAA
GGAGAGAACCAGGATCACTGGAAGAATGGACTAAGAACATTGATTCTGAAGGAAGAATTTTAAATGTAGA
TAATATGAAGCAGATGATTTTAGAGGGGGACTTAGTCATGCATTGAGAAAAGCAAGCATGGAAATTTCTT
CTGGGTTATTTCCCTGGGACAGTACCAAGGAGGAAAGAACCCAAATACAAAAGCAAAAACTGATGAAT
ACTTCAGAATGAACTGCAGTGGAAATCCATCAGCCAGGAACAAGAGAAAAGAAATTCGAGGTTAAGAGA
TTATAGAAGTCTTATCGAAAAAGATGTTAACAGAACAGATCGAACAAACAAGTTTTATGAAGGCCAAGAT
AATCCAGGTTGATTTTACTTCATGACATTTTGTGACCTACTGTATGTATGATTTTGTATTAGGATATG
TTCAAGGAATGAGTGATTTACTTTCCCTCTTTTATATGTGATGGAAAATGAAGTGGATGCCTTTTGGTG
CTTTGCCCTTACATGGACCAAAATGCATCAGAATTTTGAAGAACAATGCAAGGCATGAAGACCCAGCTA
ATTCAGCTGAGTACCTTACTTCGATTGTTAGACAGTGGATTTTGCAGTTACTTAGAATCTCAGGACTCTG
GATACCTTTATTTTGTTCAGGTGGCTTTTAAATCAGATTCAAAAAGGGAATTTAGTTTTCTAGATATTCT
TCGATTATGGGAGGTAATGTGGACCGAACTACCATGTACAAATTTCCATCTTCTCTGTGTGCTATT
CTGGAATCAGAAAAGCAGCAAATATGGAAAAGCATTATGGCTTCAATGAAATACTTAAGCATATCAATG
AATTGTCCATGAAAATTGATGTGGAAGATATACTCTGCAAGGCAGAAGCAATTTCTCTACAGATGGTAAA
ATGCAAGGAATTGCCACAAGCAGTCTGTGAGATCCTTGGGCTTCAAGGCAGTGAAGTTACAACACAGAT
TCAGACGTTGGTGAAGACGAAAATGTTGTGATGACTCCTTGTCTACATCTGCATTTCAAAGTAATGCCT
TGCCCTACACTCTCTGCCAGTGGAGCCAGAAAATGACAGCCCAACACAGATACCAAGTGTCTCAGATGTCTG
CAGATTAACACCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC228533 representing NM_001146214
Red=Cloning site Green=Tags(s)

MCPGLYPYSSLLEYGRSMIIYEQEGVYIHSSCGKTNDDGLISGILRVLEKDAEIVDWRPLDDALDSSS
 ILYARKDSSSVVWETQAPKERGHRGSEHLNSYEAEDMVNTVSFKRKPHTNGDAPSHRNGKSKWSFLFSL
 TDLKSIKQNKKEGMWSYLVFCLKDDVLPALHFHQGDSKLLIESLEKYVVLCESPQDKRTLLVNCQNKSL
 SQSFENLLDEPAYGLIQIKKDPYTATMIGFSKVTNYIFDSLGRSDPSTHQRPPEMADFLSDAIPGLKI
 NQQEEPGFVITRIDLGERPVVQRREPVSLEEWTKNIDSEGRILNVDNMKQMIIFRGLSHALRKQAWKFL
 LGYFPWDSTKEERTQLQKQKTDEYFRMKLQWKSISQEQEKRNSRLRDYRSLIEKDVNRTDRTNKFYEQD
 NPGLILLHDILMTYCMYDFDLGYVQGMSDLLSPLLYVMENEVDAFWCFASYMDQMHNFEEMQMGMTQL
 IQLSTLLRLLDSGFCSYLESQDSGYLYFCFRWLLIRFKREFSFLDILRLWEVMWTELPTCNFHLCCAI
 LESEKQQIMEKHYGFNEILKHINELSMKIDVEDILCKAEAISLQMVCKELPQAVCEILGLQGSEVTPD
 SDVGEDENVVMTPCPTSAFQSNALPTLSASGARNDSPQIPVSSDVCRTPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001146214

ORF Size: 2046 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_001146214.2](#)

RefSeq ORF: 1728 bp

Locus ID: 64786

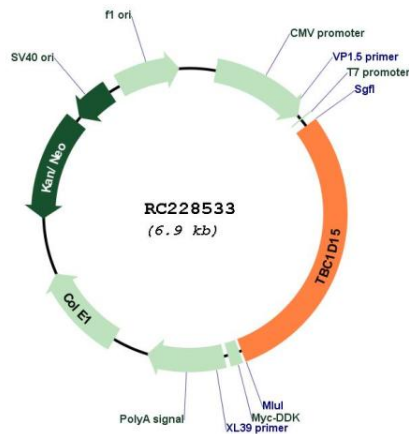
UniProt ID: [Q8TC07](#)

Cytogenetics: 12q21.1

MW: 78.4 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 RC228533