

Product datasheet for **RN210330**

Tbc1d2 (NM_001107933) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d2 (NM_001107933) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN210330 representing NM_001107933
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAGGAAGTGCCACCTGTATTATTCGCGCACCGCTCAGGATGCTAACCCCTTGACAGCATCGATCT
 CTCCAGTGCCACCTTTGACTGTAAGGCGGACGCTGAGGAGGAGGGCACTTTTGAATCAAGACTCCTAGC
 CGAGTTATTACCCTCAAGACTCTGCAGGACGCAAAAAGGCAGAGACACTGCTGGCCTCATGCTCCTCGCT
 TCTCCTTTAGGAACACCATGTACAACATCCGAGGCAACAAGCAGGCCAAGCAACAGCCCATGGCCAC
 CCGTGGAAGAGTCGTACAGAGTGCAGAGCCTCAAAGAGGGGAGCAGCCCTTGATCTCTGATCCCAGCAT
 TCCAGCAGAAAAGGAGCCAGAGGATCCTCCAAGTCTGCACCCAGGTCTGCGTGCCTCGGGTCCCATG
 CAGAAACCAAGCGCAAAGCAATACCTTTCCGTTTTTTCCGACGGCCTGGCTCGGAGCCGCACAGCCC
 AGGAGAAGGTGGTGGCTTTGGAACAGCAGGTGCTGATGCTCACCAGAGCTCAAGTACAGAAGGAGCT
 GGTGATAATCCTACACAAGGCCCTGGAGGCTGCCAGCAAGAGAAGCGAGCCTCCAGTGCCTACCTGGCA
 GCCACCGAGGACAGAGATCGGCTGGAGCTGGTCCGGCACAAGGTGCGGCAGATCGCAGAGCTGAACCAGA
 GGGTGGAGGCTCTGGAGCAGGACCGTGAGCGCCTGGTGCACGAGGCTGGCTGCGGGAGCAGCAGGTGCA
 GGCGCTTCAGCAGCATGTGCAGCTGCTCATGGACAAGAACCAGGCCAAGCAGCAGGTCACTGCAAGCTC
 TCCCAGAAGCTCACGGAAGACCTTGACAACCCAGCCTGCTGATGCTACCAATGGTGACTTCTGAGCC
 AGCAGGAGAGGTTGGAGCATCTGAAGGATGACATGGAAGCATATCGGACCCAGAACCCTTCTCAACTC
 TGATCCACAGGTACCAAGATCTGGAGGAAGTGGCCGAGAAGGAGAAAGCCCTGCTGACCAAGTGC
 GCCTACCTCCAAGCCAGGAAGTCCAGGTAGAAGCAAGTACCTGGCCGACTTCGAAGGCTGCAGGAAG
 CGGCAGGGGCTGAGCCTGGTGACTTCCCTGAGCTGCTGCAGCAGCTGGTCCAGGAGGCATGCAGTGGCA
 AGCAGGAGAGGCTTCCGACAGCGTGGGGCTGAGCCCTGTGAGCAGTATGATGATTATGGCTTCTGACA
 GTGCCAGACTACGAGGTGGAAGACCTGAAACTACTAGCCAAGATCCAGGCCCTGGAAGTGCCTCCACC
 ACCTGCTGGCCCTCGAGGCCGTGGAGAGGCCACTACGGGACCGCTGGGCTACTCTGACCGAGCTCATGCC
 CTCAGCTGAACCTCAAGCAGCTGTACGGGCAGGTGTGCCCGAGAGCACCGCCACGGGTCTGGAGGTGG
 CTGGTCCACCGCCGTGTCCAGCACCTGCACTCCTCAGGCTGTACCAGGAGCTTCTGGCCCGGGCCGGG
 CATGTGAGCACCTGCTGCTCGTCAGATCGAGCTGGACCTCAACAGAACCTTCCCACCAACAAGCACTT
 CACCTGCCCTACCTCCAGCTTCCCTGACAAGCTCCGCCGTGTCTCTGGCCTTCTCTGGCAGAACCC
 ACCATTGGCTACTGCAAGGCTTGAACAGGCTGGCAGCCATCGCCCTGTTGGTCTAGAGGATGAGGAGA
 GTGCCTTCTGGTGCCTGGTGGCCATTGTGGAGACCATACTGCCGGCTGAGTACTACAGCAAGACACTGAC
 TGATCCCAGGTGGACCAGCGGGTGTCTCCAGGACCTCCTCTCAGAGAAGCTGCCCCGACTGACTGCGCAC
 CTGGGACAGCGCCATGTAGACCTCTCTCATCACGTTCAACTGGTTCTCTCGTATCTTTGCCGACTCTC
 TCATCAGTGACATCCTCCTGCGAGTCTGGGATGCCTTCTGTACGAAGGGACCAAGGTGGTGTCCGATA
 TGCTCTGGCCATCTTCAAGTACAACGAGGAAGCGATCCTTCGACTCCAGGACAGCCTGGAGATCTACCAG
 TACCTGCGCTTCTTACCAAGACCATCTGCGACAGCCGGAAGCTCACAAGCATTGCCTTCAATGATATGA
 ACCCCTTTCCATGAAGCAACTGCGGCAGCTGCGGGCAGCCCACCGAGAGCGACTAGAGGCTGAGCTTCG
 GGAGCTAGAAGTCTGAAGGCTGAGTACTTGGAGAGAAGGGCATCCAGGGGCAGAGCAGTGCCTGAGGGC
 TGCGTCAGCGAGGACGAAGGAGAAGGCGACAGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107933
Insert Size: 2346 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001107933.1</u> , <u>NP_001101403.1</u>
RefSeq Size:	3972 bp
RefSeq ORF:	2346 bp
Locus ID:	313234
Cytogenetics:	5q22
Gene Summary:	Acts as GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1 and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation and reduced cell-cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]