

Product datasheet for **RC238515**

TBC1D22A (NM_001284304) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D22A (NM_001284304) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBC1D22A
Synonyms:	C22orf4; HSC79E021
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238515 representing NM_001284304
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGGAGCCACAGCCTGATGTGGGGAGTTTGCTCAGGTCCACGGCCAAGATGCCGACCACACCACTGA
 AGGCCAAGAGGGTCAGCACCTTCCAGGAGTTTGAGAGCAATACCAGCGATGCCTGGGACGCTGGGGAGGA
 CGACGATGAGCTCCTGGCCATGGCGGCGGAGAGCCTGAACTCCGAGGTGGTCATGGAGACGGCCAACCGT
 GTGCTGCGTAACCACAGCCAGCGCAGGGGCGGCCACGCTGCAGGAGGGGCCAGGGCTTCAGCAGAAGC
 CCAGGCCCCAGGCAGAGCCGCCCTACCCCCAGCGCGACCTCCGGCTGGTGAAGTCGGTCAGTGAGAG
 CCACACGTCCTGTCTGCAGAAAGTGCCAGCGATGCCGCCCTCTGCAGAGGTCCAGTCTCTCCACAC
 TCGGCCACCGTCACGCTGGGTGGCACATCTGACCCAGCACTCTCAGCAGCTCAGCGCTAGCGGAAAGAG
 AGGCCTCCCGGCTCGACAAGTTCAAGCAGCTGCTTGCCGGCCCCAACACGGACCTTGAGGAATTACGGAG
 GTTGAGCTGGTCCGAATCCCTAAGCCAGTGCGTCCAATGACGTGGAAGCTCCTCTCAGGTTACCTTCCC
 GCCAATGTAGACCGGAGACCAGCCACTCTCCAGAGAAAACAAAAAGAATATTTTGCAATTTATTGAGCACT
 ATTACGATTCTAGGAACGACGAAGTTCACCAGGACACATACAGGCAGATCCACATAGACATCCCTCGCAT
 GAGCCCTGAAGCGTTGATCCTGCAGCCCAAGGTGACGGAGATTTTGAAGGATCTTGTTTCATATGGGCG
 ATCCGCCACCCAGCCAGTGGATACGTTCAAGGTATAATGATCTCGTCACTCCTTTCTTTGTGGTCTTCA
 TTTGTGAATACATAGAGGCAGAGGAGGTGGACACGGTGGACGTCTCCGGCGTGCCCGCAGAGGTGCTGTG
 CAACATCGAGGCCGACACCTACTGGTGCATGAGCAAGCTGCTGGATGGCATTGAGGACAACTACACCTTT
 GCCCAACCTGGGATCAAATGAAAGTGAAAATGTTAGAAGAACTCGTGAGCCGGATTGATGAGCAAGTGC
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 GAGGGAGGTGCCCTGCGTTGTACCATCCGCTGTGGGACACCTACCAGTCTGAACCGGACGGCTTTTCT
 CATTTCCACTTGTACGTGTGCGCTGCTTTTCTCGTGAGATGGAGGAAGGAAATACTAGAAGAAAAAGATT
 TTCAAGAGCTGCTGCTTCTCCTCAGAACCTGCCACAGCCCACTGGGATGATGAGGACATCAGCCTGTT
 GCTGGCCGAGGCCTACCGCCTCAAGTTTGCTTTTGCCGACGCCCAATCACTACAAGAAA

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

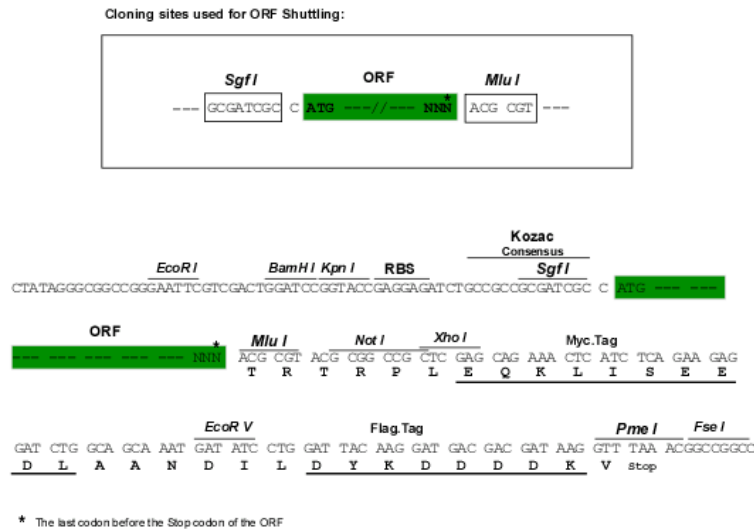
>RC238515 representing NM_001284304
 Red=Cloning site Green=Tags(s)

MWEPQPDVGSLLRSTAKMPTTPVKAKRVSTFQEFESNTSDAWDAGEDDDELLAMAAESLNSEVVMETANR
 VLRNHSQRQGRPTLQEGPGLQQKPRPEAEPPSPPSGDLRLVKSVSHTSCPAESASDAAPLQRSQSLPH
 SATVTLGGTSDPSTLSSALSEREASRLDKFKQLLAGPNTDLEELRRLSWSGIPKPVPRMTWKLLSGYLP
 ANVDRRPATLQRKQKEYFAFIEHYYSRNDVHQDTYRQIHIDIPRMSPEALILQPKVTEIFERILFIWA
 IRHPASGYVQGINDLVTPFFVVFICEYIEAEVDTVDSGVPAEVLNIEADTYWCMSKLLDGIQDNYTF
 AQPQGIQMKVKMLEELVSRIDEQVHRHLDQHEVRYLQFAFRWMNLLMREVPLRCTIRLWDTYQSEPDGFS
 HFHLYVCAAFVWRKEILEEKDFQELLFLQNLPTAHWDDEDISLLAEAYRLKFAFADAPNHKK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001284304

ORF Size: 1461 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001284304.1](#), [NP_001271233.1](#)

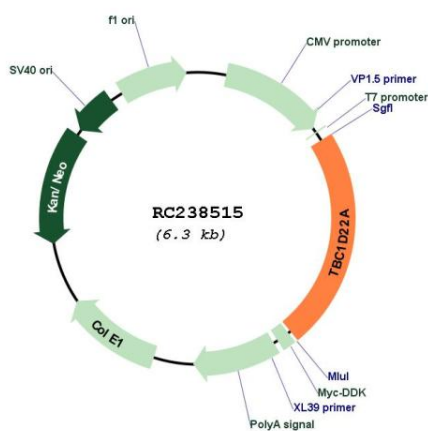
RefSeq Size: 3934 bp

RefSeq ORF: 1464 bp

Locus ID: 25771

Cytogenetics:	22q13.31
Protein Families:	Druggable Genome
MW:	56.3 kDa
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC238515