

Product datasheet for **RC238412**

TBC1D22A (NM_001284305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D22A (NM_001284305) 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:

>RC238412 representing NM_001284305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACCACACCAAGTGAAGGCCAAGAGGGTCAGCACCTTCAGGAGTTTGAGAGCAATACCAGCGATG
 CCTGGGACGCTGGGAGGACGACGATGAGCTCCTGGCCATGGCGCGGAGAGCCTGAACTCCGAGGTGGT
 CATGGAGACGGCCAACCGTGTGCTGCGTAACCACAGCCAGCGGCAGGGCGGCCACGCTGCAGGAGGGG
 CCAGGGCTTCAGCAGAAGCCAGGCCGAGGACGAGCCGCCCTACCCCCAGCGCGACCTCCGGCTGG
 TGAAGTCGGTCAGTGAGAGCCACAGTCCTGTCTGCAGAAAGTCCAGCGATGCCGCCCTCTGCAGAG
 GTCCAGTCTCTCCCACTCGGCCACCGTCACGCTGGGTGGCACATCTGACCCAGCACTCTCAGCAGC
 TCAGCGCTGAGCGAAAGAGAGGCCCTCCGGCTCGACAAGTTCAAGCAGCTGCTTGCCGGCCCCAACCGG
 ACCTTGAGGAATTACGGAGGTTGAGCTGGTCCGGAATCCCTAAGCCAGTGCCTCAATGACGTGGAAGCT
 CCTCTCAGGTTACCTTCCCGCAATGTAGACCGGAGACCACTCTCCAGAGAAAACAAAAGAATAT
 TTTGCATTATTAGCACTATTACGATTCTAGGAACGACGAAGTTCACAGGACACATACAGGCAGATCC
 ACATAGACATCCCTCGCATGAGCCCTGAAGCGTTGATCCTGCAGCCCAAGGTGACGGAGATTTTTGAAAG
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 CCTTTCTTTGTGGTCTTCATTTGTGAATACATAGAGGCAGAGGAGGTGGACACGGTGGACGTCTCCGGCG
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 CGGATTGATGAGCAAGTGACCGGCACCTGGACCAACAGGAAGTGAATACCTGCAGTTTGCCTTCCGCT
 GGATGAACAACCTGCTGATGAGGGAGGTGCCCTGCGTTGTACCATCCGCTGTGGGACACCTACCAGTC
 TGAACCGGACGGCTTTTCTCATTTCCACTGTACGTGTGCGCTGCTTTTCTCGTGAGATGGAGGAAGGAA
 ATACTAGAAGAAAAAGATTTTCAAGAGCTGCTGCTCTTCTCCAGAACCTGCCCACAGCCCACTGGGATG
 ATGAGGACATCAGCCTGTTGCTGGCCGAGGCCTACCGCCTCAAGTTTGCTTTTGGCGACGCCCCCAATCA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

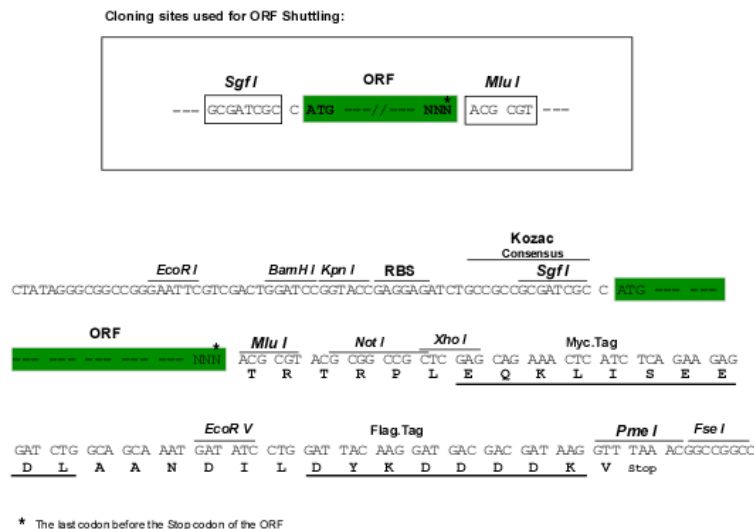
>RC238412 representing NM_001284305
 Red=Cloning site Green=Tags(s)

MPTTPVKAKRVSTFQEFESNTSDAWDAGEDDELLAMAAESLNSEVVMETANRVLNRNHSQRQGRPTLQEG
 PGLQQKPRPEAEPPSPSGDLRLVKSSESHTSCPAESASDAAPLQRSQSLPHSATVTLGGTSDPSTLSS
 SALSEREASRLDKFKQLLAGPNTDLEELRRLSWGIPKVPVRPMTWKLISGYLPANVDRRPATLQRKQKEY
 FAFIEHYDSRNDVHQDTYRQIHIDIPRMSPEALILQPKVTEIFERILFIWAIRHPASGYVQGINDLVT
 PFFVVFICEYIEAEVDTVDVSGVPAEVLNCNIEADTYWCMSKLLDGIQDNYTFAQPGIQMKVKMLEELVS
 RIDEQVHRHLDQHEVRYLQFAFRWMNNLLMREVPLRCTIRLWDYQSEPDGFSHFHLYVCAAFVVRWRKE
 ILEEKDFQELLLFLQNLPTAHWDDDEDISLLAEAYRLKFAFADAPNHYYK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001284305

ORF Size: 1410 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_001284305.1](#), [NP_001271234.1](#)

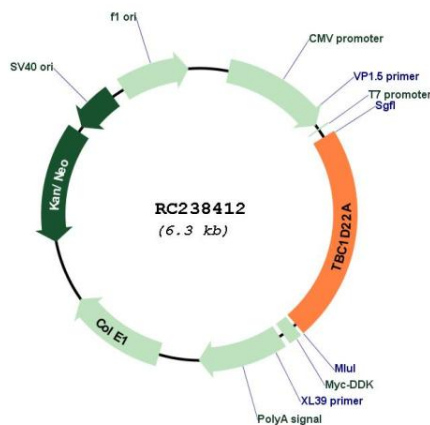
RefSeq Size: 3874 bp

RefSeq ORF: 1413 bp

Locus ID: 25771

UniProt ID:	<u>Q8WUA7</u>
Cytogenetics:	22q13.31
Protein Families:	Druggable Genome
MW:	54.4 kDa
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC238412