

Product datasheet for MR203922

Tbc1d22a (BC023106) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d22a (BC023106) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d22a
Synonyms:	MGC28337
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203922 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACATGGAACTTCTCTCAGGTTACCTTCTGCCAATGTTGACCGAAGACCAGCCACGCTGCAGAGGA
AACAGAAGGAATACTTTGCTTTTCATTGAGCATTATTACAGCTCTAGGAATGACGAAGTTCACCAGGACAC
GTATCGCCAGATCCATATCGACATCCCTCGGATGAGCCCGGAAGCACTGATTCTTCAGCCCAAGGTGACA
GAGATTTTCGAAAGGATCTTGTTTATATGGCAATCCGACATCCTGCCAGTGGATACGTTACAGGGAATAA
ATGACCTGGTCACTCCGTTCTTCGTGGTCTTCATTGCGAGTACACAGACCGGGAGGACGTGGACAAGGT
CGATGTCTCCAGTGTGCCTGCAGAGGTGCTTCGCAACATTGAGGCTGACACCTACTGGTGCATGAGCAAG
CTTCTGGATGGCATTGAGCAACTACACCTTTGCCCAACCTGGGATTGAGATGAAAGTGAAGATGCTGG
AAGAGCTTGTGAGCCGGATTGATGAGCGAGTCCACCGGCATCTGGACGGGCACGAGGTGCGGTACCTGCA
GTTTGCCTTCCGCTGGATGAACAACCTGCTGATGAGGGAGCTGCCCTGCGCTGCACCATCCGCCTGTGG
GACACTTACCAGTCTGAACCCGAGGGCTTTTCTCATTCCACTTATATGTTTGTGCTGCTTCTCCTCGTGA
GATGGAGGAGAGAAATCTAGAAGAAAGAGATTTCAAGAGTTGCTGCTTCTCCTCAGAACCTGCCTAC
TGCCCGCTGGGATGACCAGGATGCAGCCTACTGCTGGCTGAGGCCTATCGCCTCAAGTTTGCCTTCGCA
GACGCCCAATCACTACAAGAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203922 protein sequence
Red=Cloning site Green=Tags(s)

MTWKLLSGYLPANVDRRATLQRKQKEYFAFIEHYSSRNDEVHQD TYRQIHIDIPRMSPEALILQPKVT
 EIFERILFIWAIRHPASGYVQGINDLVTPFFVVFICEYTDREVDKVDVSSVPAEVLRNIEADTYWCMSK
 LLDGIQDNYTFAQPGIQMKVKMLEELVSRIDERVHRHLDGHEVRYLQFAFRWMNNLLMRELPLRCTIRLW
 DTYQSEPEPGFSHFHLYVCA AFLVRWRREILEERDFQELLLFLQNLPTARWDDQDVSLLLAEAYRLKFAFA
 DAPNHYYKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC023106

ORF Size: 864 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: [BC023106](#), [AAH23106](#)

RefSeq Size: 2651 bp

RefSeq ORF: 866 bp

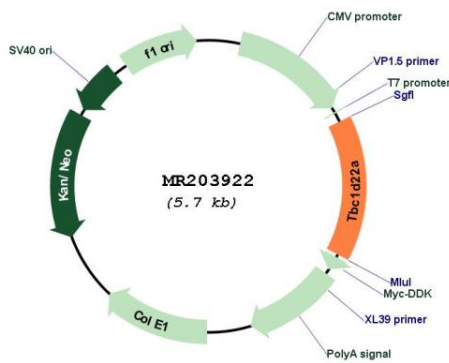
Locus ID: 223754

Cytogenetics: 15 40.56 cM

MW: 34.5 kDa

Gene Summary: May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203922