

Product datasheet for **MG203922**

Tbc1d22a (BC023106) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbc1d22a (BC023106) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tbc1d22a
Synonyms: MGC28337
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203922 representing BC023106
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATGGAACTTCTCTCAGGTTACCTTCTGCCAATGTTGACCGAAGACCAGCCACGCTGCAGAGGA
AACAGAAGGAATACTTTGCTTTTCATTGAGCATTATTACAGCTCTAGGAATGACGAAGTTCACCAGGACAC
GTATCGCCAGATCCATATCGACATCCCTCGGATGAGCCCGGAAGCACTGATTCTTCAGCCCAAGGTGACA
GAGATTTTCGAAAGGATCTTGTTTATATGGCAATCCGACATCCTGCCAGTGGATACGTTTCAGGGAATAA
ATGACCTGGTCACTCCGTTCTTCGTGGTCTTCATTTGCGAGTACACAGACCGGGAGGACGTGGACAAGGT
CGATGTCTCCAGTGTGCCTGCAGAGGTGCTTCGCAACATTGAGGCTGACACCTACTGGTGCATGAGCAAG
CTTCTGGATGGCATTGAGCAACTACACCTTTGCCCAACCTGGGATTGAGATGAAAGTGAAGATGCTGG
AAGAGCTTGTGAGCCGGATTGATGAGCGAGTCCACCGCATCTGGACGGGCACGAGGTGCGGTACCTGCA
GTTTGCCTTCCGCTGGATGAACAACCTGCTGATGAGGGAGCTGCCCTGCGCTGCACCATCCGCCTGTGG
GACACTTACCAGTCTGAACCCGAGGGCTTTTCTCATTTCACCTTATATGTTTGTGCTGCTTCTCCTCGTGA
GATGGAGGAGAGAAATTTAGAAGAAAGAGATTTCAAGAGTTGCTGCTCTTCTCCAGAACCTGCCTAC
TGCCCCGCTGGGATGACCAGGATGTCAGCCTACTGCTGGCTGAGGCCTATCGCCTCAAGTTTGCCTTCGCA
GACGCCCAATCACTACAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203922 representing BC023106
Red=Cloning site Green=Tags(s)

MTWKLLSGYLPANVDRRATLQRKQKEYFAFIEHYSSRNDEVHQD TYRQIHIDIPRMSPEALILQPKVT
 EIFERILFIWAIRHPASGYVQGINDLVTPFFVVFICEYTDREVDKVDVSSVPAEVLRNIEADTYWCM
 SKLLDGIQDNYTFAQPGIQMKVKMLEELVSRIDERVHRHLDGHEVRYLQFAFRWMNNLLMRELPLR
 CTIRLWDTYQSEPEGF SHFHLYVCA AFLVRWRREILEERDFQELLLFLQNLPTARWDDQDVSL
 LLA EAYRLKFAFA DAPNHYYK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC023106

ORF Size: 866 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

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

Product images:



Circular map for MG203922