

Product datasheet for SC335201

TBC1D21 (NM_001286434) Human Untagged Clone

Product data:

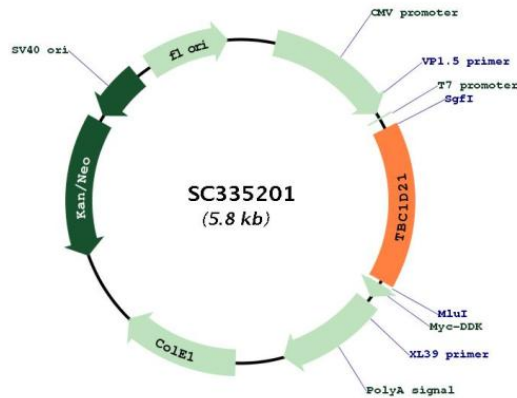
Product Type:	Expression Plasmids
Product Name:	TBC1D21 (NM_001286434) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D21
Synonyms:	MgcRabGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335201 representing NM_001286434. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCACCTCTCTCTGAAAACAGCCTCTCTGCCAGACAGTCAGCCTCCTTCATCCTGGGTCTGCAC
CCCTTCGTGAGGACTGAAGCCTGGAAATTCCTCACGGGCTACTTCTCATGGCAGAGTTCCCAGGATGAG
CGGCTCACGGTGGACAGCATGAGGAGGAAGAACAAGGCTTATGCCAAATGTATGAGAAGATTCAG
CCCCTTCTGAAAACCTGCACCGGAACCTCACAGAGACTCGCAATAACATTGCACGTGACATTAGAAA
ATCTATGACAAAGATCCCCTGGGCAACGTCCTCATCGACAAGAAGAGGCTAGAGAAGATCCTGCTCCTG
AGTTACGTCTGCAACACGCAGGCAGAGTACCAGCAGGGCTTCCATGAGATGATGCTCTTCCAGCTG
ATGGTGGAGCAGCACGACGAGACCTTCTGGCTTTTCCAGTTCTTCTGCAGAAAACGGAACACAGCTGT
GTCATCAACATTGGCGTGGCCAAGAACCTAGACATGCTCAGCACCTGATCACCTTCTGGACCCCGTG
TTTGCTGAGCACCTAAAAGGGAAGGGTGCAGGGGCTGTGCACTCCCTCTCCCCTGGTTCTGCTTCTGC
TTCCAGCGTGCCTTCAAGTCCTTCGATGATGTCTGGAGGCTCTGGGAGGTTCTGCTGACGGGGAAGCCC
TGCAGGAACCTCCAGGTGCTGGTGGCTACAGCATGCTGCAGATGGTGGGGAGCAGGTGCTGCAGGAA
AGCATGGGCGGGGATGACATCCTCCTGGCCTGCAACAACCTCATCGACCTTGATGCTGATGAGCTGATC
TCTGCCCTGCGTGGTTTATGCTGAGCTCATCCAGAAGGATGTTCTCTCAGACATTAAGGATTTCTTC
CTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001286434

Insert Size: 903 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:

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: [NM_001286434.1](#)

RefSeq Size: 1151 bp

RefSeq ORF: 903 bp

Locus ID: 161514

UniProt ID: [Q8IYX1](#)

Cytogenetics: 15q24.1

MW: 35 kDa

Gene Summary: May act as a GTPase-activating protein for Rab family protein(s) (PubMed:19077034). May be involved in acrosome formation and cytoskeletal reorganization during spermiogenesis, possibly by regulating RAB3A activity (PubMed:21128978).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.