

## Product datasheet for **SC336306**

### **TBC1D22A (NM\_001284305) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBC1D22A (NM_001284305) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D22A
Synonyms:	C22orf4; HSC79E021
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC336306 representing NM\_001284305.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCGACCACACCAGTGAAGGCCAAGAGGGTCAGCACCTTCCAGGAGTTTGAGAGCAATACCAGCGAT
GCCTGGGACGCTGGGAGGACGACGATGAGCTCTGGCCATGGCGCGGAGAGCCTGAACCTCCGAGGTG
GTCATGGAGACGGCCAACCGTGTGCTGCGTAACACAGCCAGCGGAGGGGCGGCCACGCTGCAGGAG
GGGCCAGGGCTTCAGCAGAAGCCAGGCCCGAGGCAGAGCCGCCCTACCCCCAGCGGGCAGCTCCGG
CTGGTGAAGTCGGTCAGTGAGAGCCACACGTCCTGTCTGCAGAAAGTGCCAGCGATGCCGCCCTCTG
CAGAGGTCCCAGTCTCTCCCACTCGGCCACCGTCACGCTGGGTGGCACATCTGACCCAGCACTCTC
AGCAGCTCAGCGTGAGCGAAAGAGAGGGCTCCCGGCTCGACAAGTTCAAGCAGCTGCTTCCCGCCCC
AACACGGACCTTGAGGAATTACGGAGGTTGAGCTGGTCCGGAATCCCTAAGCCAGTGCCTCAATGACG
TGAAGCTCCTCTCAGGTTACCTCCCGCCAATGTAGACCGGAGACCAGCCACTCCAGAGAAAACAA
AAAGAATATTTTGCATTTATTGAGCACTATTACGATTCTAGGAACGACGAAGTTCACCAGGACACATAC
AGGCAGATCCACATAGACATCCCTCGCATGAGCCCTGAAGCGTTGATCCTGCAGCCAAGGTGACGGAG
ATTTTTGAAAGGATCTTGTTCATATGGGCGATCCGCCACCCAGCCAGTGGATACGTTTCAGGGTATAAT
GATCTCGTCACTCCTTTCTTTGGTCTTCATTTGTGAATACATAGAGGCAGAGGAGGTGGACACGGTG
GACGTCTCCGGCGTGCCCGCAGAGGTGCTGTGCAACATCGAGGCCGACACCTACTGGTGCATGAGCAAG
CTGCTGGATGGCATTGAGGACAACCTTTGCCAACCTGGGATTCAAATGAAAGTGAAAATGTTA
GAAGAAGTTCGTGAGCCGATTGATGAGCAAGTGCACCGGCACCTGGACCAACACGAAGTGAGTACCTG
CAGTTTGCCTCCGCTGGATGAACAACCTGCTGATGAGGGAGGTGCCCTGCGTTGTACCATCCGCTTC
TGGGACACCTACCAGTCTGAACCGGACGGCTTTTCTCATTTCACCTGTACGTGTGCGCTTTTCTC
GTGAGATGGAGGAAGGAATACTAGAAGAAAAAGATTTTCAAGAGCTGCTGCTTCTCCTCAGAACCTG
CCCACAGCCCACTGGGATGATGAGGACATCAGCCTGTTGCTGGCCGAGGCCCTACCGCCTCAAGTTTGT
TTTCCGACGCCCAATCACTACAAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001284305

**Insert Size:** 1413 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\\_001284305.1](#)

RefSeq Size: 3874 bp

RefSeq ORF: 1413 bp

Locus ID: 25771

UniProt ID: [Q8WUA7](#)

Cytogenetics: 22q13.31

Protein Families: Druggable Genome

MW: 53.9 kDa

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

Transcript Variant: This variant (4) contains an alternate 5' terminal exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (d) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.