

## Product datasheet for **SC336409**

### **TBC1D22A (NM\_001284304) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBC1D22A (NM_001284304) 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:** >SC336409 representing NM\_001284304.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGGGAGCCACAGCCTGATGTGGGGAGTTTGCTCAGGTCCACGGCCAAGATGCCGACCACACCAGTG
AAGGCCAAGAGGGTCAGCACCTTCCAGGAGTTTGAGAGCAATACCAGCGATGCCTGGGACGTGGGGAG
GACGACGATGAGCTCCTGGCCATGGCGGCGAGAGCCTGAACTCCGAGGTGGTCAATGGAGACGGCCAAC
CGTGTGCTGCGTAACCACAGCCAGCGGCCAGGGGGCGGCCACGCTGCAGGAGGGGCCAGGGCTTCAGCAG
AAGCCCAGGCCCGAGGCAGAGCCGCCCTCACCCCCAGCGGCGACCTCCGGCTGGTGAAGTCGGTCAGT
GAGAGCCACACGTCTGTCTGCAGAAAGTGCCAGCGATGCCGCCCTCTGCAGAGGTCCCAGTCTCTC
CCACACTCGGCCACCGTCAGCTGGGTGGCACATCTGACCCAGCACTCTCAGCAGCTCAGCGCTGAGC
GAAAGAGAGGCCCTCCCGGCTCGACAAGTCAAGCAGCTGCTTGCCGGCCCCAACACGGACCTTGAGGAA
TTACGGAGTTGAGCTGGTCCGGATCCCTAAGCCAGTGCCTCAATGACGTGGAAGCTCCTCTCAGGT
TACCTTCCCGCCAATGTAGACCGGAGACCAGCCACTCTCCAGAGAAAACAAAAGAATATTTTGCATTT
ATTGAGCACTATTACGATTCTAGGAACGACGAAGTTCACCAGGACACATACAGGCAGATCCACATAGAC
ATCCCTCGCATGAGCCCTGAAGCGTTGATCCTGCAGCCCAAGGTGACGGAGATTTTTGAAAGGATCTTG
TTCATATGGGCGATCCGCCACCCAGCCAGTGGATACGTTCAAGGTATAAATGATCTCGTCACTCCTTTC
TTTGTGGTCTTCAATTTGTAATACATAGAGGCAGAGGAGGTGGACACGGTGGACGTCTCCGGCGTGCCC
GCAGAGGTGCTGTGCAACATCGAGGCCGACACCTACTGGTGCATGAGCAAGCTGCTGGATGGCATTGAG
GACAACTACACCTTTGCCAACCTGGGATCAAATGAAAGTAAAATGTTAGAAGAACTCGTGAGCCGG
ATTGATGAGCAAGTGCACCGGCACCTGGACCAACGAAGTGAGATACCTGCAGTTTGCCTCCGCTGG
ATGAACAACCTGCTGATGAGGGAGGTGCCCTGCGTTGTACCATCCGCTGTGGGACACTACCAGTCT
GAACCGGACGGCTTTTCTCAATTTCACTTGTACGTGTGCCTGCTTTTCTCGTGAGATGGAGGAAGGAA
ATACTAGAAGAAAAGATTTTCAAGAGCTGCTGCTCTTCTCCAGAACCTGCCACAGCCCACTGGGAT
GATGAGGACATCAGCCTGTTGCTGGCCGAGGCCTACCGCTCAAGTTTGTCTTTGCCGACGCCCAAT
CACTACAAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001284304

**Insert Size:** 1464 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:	<a href="#">NM_001284304.1</a>
RefSeq Size:	3934 bp
RefSeq ORF:	1464 bp
Locus ID:	25771
Cytogenetics:	22q13.31
Protein Families:	Druggable Genome
MW:	55.8 kDa
Gene Summary:	<p>May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains an additional exon in the 5' region, and it thus differs in its 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than 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.</p>