

Product datasheet for **SC321796**

TBC1D22A (NM_014346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TBC1D22A
Synonyms:	C22orf4; HSC79E021
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene sequence for NM_014346.1 AAGAGCTTCTCGGCTCTAGGCTCTGGAGTCCCGGGAGCAGTGAGGGGCCACCCGGGGCAC AGGAAAGGGCCGCTAGGGGAGGGCCGGGTGCACTCGGGGTGTCTGGGCCCGGGTCTGAG GGATGAGGAGGGGCCATGGCCAGCGACGGGGCCAGGAAGCAATTCTGGAAGCGCAGCAAC AGCAAGCTCCCGGCAGCATCCAGCACGTGTATGGTGCCAGCACCCCCCTTTGATCCA CTGTTACATGGCACTTTGCTCAGGTCCACGGCCAAGATGCCACCACACCAAGTGAAGGCC AAGAGGGTCAGCACCTTCAGGAGTTTGAGAGCAATACCAGCGATGCCTGGGACGCTGGG GAGGACGACGATGAGCTCCTGGCCATGGCGGGGAGAGCCTGAACCTCGAGGTGGTCATG GAGACGGCCAACCGTGTGCTGCGTAACCACAGCCAGCGGAGGGGGCGGCCACGCTGCAG GAGGGGCCAGGGCTTCAGCAGAAGCCAGGCCCGAGGCAGAGCCGCCCTACCCCCAGC GGCGACCTCCGGCTGGTGAAGTCGGTCAGTGAGAGCCACACGTCCTGTCTGCAGAAAGT GCCAGCGATGCCGCCCTCTGCAGAGGTCCAGTCTCTCCACACTCGGCCACCGTCACG CTGGGTGGCACATCTGACCCACGACTCTCAGCAGCTCAGCGCTGAGCGAAAGAGAGGCC TCCCGGCTCGACAAGTTCAAGCAGCTGCTTGCCGGCCCAACACGACCTTGAGGAATTA CGGAGGTTGAGCTGGTCCGAATCCCTAAGCCAGTGCGTCCAATGACGTGGAAGCTCCTC TCAGGTTACCTTCCCGCAATGTAGACCGAGACCAGCCACTCTCCAGAGAAAAACAAAA GAATATTTTGCATTATTGAGCACTATTACGATTCTAGGAACGACGAAGTTCACAGGAC ACATACAGGCAGATCCACATAGACATCCCTCGCATGAGCCCTGAAGCGTTGATCCTGCAG CCCAAGGTGACGGAGATTTTGAAGGATCTTGTTCATATGGGCGATCCGCCACCCAGCC AGTGGATACGTTGAGGTATAAATGATCTCGTCACTCCTTTCTTTGTTGCTTTCATTGTG GAATACATAGAGGCAGAGGAGGTGGACACGGTGGACGTCCTCCGGCTGCCCGCAGAGGTG CTGTGCAACATCGAGGCCGACACCTACTGGTGATGAGCAAGCTGCTGGATGGCATTGAG GACAACTACACCTTTGCCAACCTGGGATTCAAATGAAAGTAAAAATGTTAGAAGAACTC GTGAGCCGGATTGATGAGCAAGTGACCCGGCACCTGGACCAACACGAAGTGAGATACCTG CAGTTTGCCTTCCGCTGGATGAACAACCTGCTGATGAGGGAGGTGCCCTGCGTTGTACC ATCCGCTGTGGGACACCTACCACTGTAACCGGACGGCTTTTCTCATTTCACCTTGATAC GTGTGCGCTGCTTTTCTCGTGAGATGGAGGAAGGAAATACTAGAAGAAAAAGATTTTCAA GAGCTGCTGCTCTTCTCCAGAACCTGCCACAGCCCACTGGGATGATGAGGACATCAGC CTGTTGCTGGCCGAGGCCCTACCGCCTCAAGTTTGTCTTTGCGGACGCCCCCAATCACTAC AAGAAATGAGCCCAGGCCACCCGACGCTGGCCTCACTGTCCCGGTGGCGGCCCCACC TGCCTGGCTGGTGGTAGGCCCCTGTGAGCTGGTCCCGGGCTGCTAAAAGGCCTGTGAGG TGGCCCCACCCTCCAGGGGAGCTGGTGAAGATGGGCCACAGACCTGGTCTAGGGCTGACA AAGACAGGGACAGCCTTTGTTTCTGAGATACCAAGAGAGCCAGGGGAGGGCCCCGGGT TCGGCGGCCAGAGGCAGGTGAGGGTCCCCTCTCCCTCTCCCTGCAATGTCTTGCCAAA TGACTGCCTCCTGCTGCCCTAGTCCGGGGCAGCCTAGGAGGCCACCCCTCTTGAGGTC CTGCTGTCTGGGTGCCAGGGCCGGAACGAGGTAGTGGCCATCTCATACCTACTCTGAAAT GCAAACTTCTATTCTGTTGAGTGAAAGAATAAAATGTAGCAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_014346
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_014346.1, NP_055161.1</u>
RefSeq Size:	2175 bp
RefSeq ORF:	1554 bp
Locus ID:	25771
UniProt ID:	<u>Q8WUA7</u>
Cytogenetics:	22q13.31
Domains:	TBC
Protein Families:	Druggable Genome
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (α). 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.