

Product datasheet for **SC324336**

carabin (TBC1D10C) (NM_198517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	carabin (TBC1D10C) (NM_198517) Human Untagged Clone
Tag:	Tag Free
Symbol:	carabin
Synonyms:	CARABIN; EPI64C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_198517.2
 GTGAGGTGCTGCGGGAGGCCCGGGCACCATGGCCCAGGCCCTGGGGGAGGACCTGGTGC
 AGCCTCCCAGACTGCAGGATGACTCCAGCTCCTTGGGGTCCGACTCAGAGCTCAGCGGGC
 CTGGCCCATATCGCCAGGCCGACCGCTATGGATTATTGGGGGCAGCTCAGCAGAGCCAG
 GGCCGGGCCACCCACCTGCAGACCTCATCCGCCAACGGGAGATGAAGTGGGTGGAGATGA
 CCTCGCACTGGGAGAAAACCATGTCCCAGCGGTACAAGAAGGTAAGATGCAGTGCCGGA
 AAGGCATCCCGTCTGCCCTGCGCGCCCGATGCTGGCCCCGTTTGTGTGGGGCCCATGTGT
 GCCAGAAGAACAGCCCTGGCACCTATCAGGAGCTGGCAGAGGCCCTGGAGACCCACAGT
 GGATGGAGACCATTGGCAGGGACCTGCACCGTCAATTCCCTCTGCACGAGATGTTTGTGT
 CGCCTCAGGGCCACGGGCAGCAGGGGCTCCTGCAGGTGCTCAAGGCCTACACCCTGTATC
 GACCGGAGCAGGGCTACTGCCAGGCCAGGGGCCCGTGGCTGCTGTGCTGCTCATGCACC
 TGCCCCCAGAGGAGGCCCTTCTGGTGCCTGGTGCAGATCTGTGAGGTCTACCTCCCTGGGT
 ACTACGGGCCCCACATGGAGGCTGTGCGGCTGGACGCGAGGTGTTTCATGGCCCTGCTGC
 GCGGGTCTTCCGCACGTGCACAAGCACCTGCAGCAGGTGGGCGTGGACCCCTGCTGT
 ACCTGCCCGAGTGGTTCCTGTGCTCTTCGCCCGCTCCCTGCCCTCCCCACAGTGTGCTG
 GTGTCTGGGATGCCTTCCCTCAGTGAGGGTGCCAGAGTACTGTTCCGTGTGGGGCTGACAC
 TGGTGGCCTGGCGCTGGGCACTGCAGAGCAGCGAGGGGCTGCCCTGGCCTCCTGGAGA
 CACTGGGAGCCCTTCAGGCCATCCCCCGCGCAGCTGCAGGAGGAGGCCCTTCATGTCAC
 AGGTGCACAGCGTGGTGTGTCAGAGCGGGACCTGCAGCGGGAGATCAAGGCCACAGCTGG
 CCCAGTGCCTGATTCCGCGCCGGGACCCCGCCCGGCCACAGGTCCGCTCGCCGGGG
 CCCAAGCCATCTTTGAGGCCAGCAGCTGGCAGGAGTGCAGCAGGCGCCAAGCCTGAGG
 TGCTCGGATTGTGGTGCAGCCCCGGAGGAGCCAGACCACCGCGGCGGAAACCCGAG
 CCGCGGCAAGACTTTCCATGGGCTCCTGACTCGGGCCCGGGGCCCCCATCGAGGGGC
 CCCCCAGGCCCAACGAGGCTCCACCTCCTTCTGGACACCCGCTTCTGAGAGGACCATG
 GACTTAGTGTCCCCAGTCTCAATTGCCTGATGGCTGATGCCAGCCCGCAAATAGGCAC
 CGCACTTTACTCTTGGGACTCGGGGACTTGGCTTCTTCTGGCAAGGACCAGGCAGTGG
 GGAAGGAGGAGTCTCCGTGGTACATACTGGGTGAGGCACTAGCATGGAGGAGGGTAC
 AGAGTGGGGCACGTGAGGACCCATGGAACCGTCTGGTGGCCAGGCCCTCACAAGTACCA
 AAGCCAGCACAAAGGAGTCAGGGAAGGGTTGGCTGAGTCAAGGGACCCAGAGGGCAC
 CAGGAATAAAATCTTCTTGAACAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_198517

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.

RefSeq: [NM_198517.2](#), [NP_940919.1](#)

RefSeq Size: 1766 bp

RefSeq ORF: 1341 bp

Locus ID: 374403

UniProt ID: [Q8IV04](#)

Cytogenetics: 11q13.2

Gene Summary: The protein encoded by this gene has an N-terminal Rab-GTPase domain and a binding site at the C-terminus for calcineurin, and is an inhibitor of both the Ras signaling pathway and calcineurin, a phosphatase regulated by calcium and calmodulin. Genes encoding similar proteins are located on chromosomes 16 and 22. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2013]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1).