

Product datasheet for **SC332406**

carabin (TBC1D10C) (NM_001256508) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: carabin (TBC1D10C) (NM_001256508) Human Untagged Clone
Tag: Tag Free
Symbol: carabin
Synonyms: CARABIN; EPI64C
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332406 representing NM_001256508.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCCAGGCCCTGGGGGAGGACCTGGTGCAGCCTCCCGAGCTGCAGGATGACTCCAGCTCCTTGGGG
TCCGACTCAGAGCTCAGCGGGCCTGGCCCATATCGCCAGGCCGACCGCTATGGATTATTGGGGGACGC
TCAGCAGAGCCAGGGCCGGGCCACCCACCTGCAGACCTCATCCGCCAACGGGAGATGAAGTGGGTGGAG
ATGACCTCGACTGGGAGAAAACCATGTCCCGCGGTACAAGAAGGTAAGATGCAGTGCCGAAAGGC
ATCCCGTCTGCCCTGCGCGCCCGATGCTGGCCCTGTTGTGTGGGGCCCATGTGTGCCAGAAGAACAGC
CCTGGCACCTATCAGGAGCTGGCAGAGGCCCTGGAGACCCACAGTGGATGGAGACCATTGCCAGGGAC
CTGCACCGTCAATTCCCTCTGCACGAGATGTTTGTGTCGCCTCAGGGCCACGGCAGGGGCTCCTGCAGG
TGCTCAAGGCCTACACCCTGTATCGACCGAGCAGGGCTACTGCCAGGCCAGGGGCCCGTGGCTGCTG
TGCTGCTCATGCACCTGCCCCAGAGGAGGCCCTTCTGGTGCCTGGTGCAGATCTGTGAGGTCTACCTCC
CTGGGTAACAGGGCCCCACATGGTGCCAGAGTACTGTTCCGTGTGGGGCTGACACTGGTGGCCTGGC
GCTGGGCACTGCAGAGCAGCGAGGGGCCCTGCCCTGGCCTCCTGGAGACTGGGAGCCCTTCGAGCCAT
CCCCCCGCGCAGCTGCAGGAGGAGGCCCTCATGTCACAGGTGCACAGCGTGGTGTGTGAGAGCGGGA
CCTGCAGCGGGAGATCAAGGCCAGCTGGCCAGCTGCCGATTCCGCGCCGGGACCCCCGCCCGGGC
ACAGGTCCGCCTGCGCGGGCCCAAGCCATCTTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001256508
Insert Size: 933 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).



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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_001256508.1](#)

RefSeq Size: 1541 bp

RefSeq ORF: 933 bp

Locus ID: 374403

UniProt ID: [Q8IV04](#)

Cytogenetics: 11q13.2

MW: 32.9 kDa

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 (2) uses two alternate splice sites and lacks an exon in the 3' coding region which results in a frameshift compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1.