

Product datasheet for SC324967

CAB39 (NM_001130850) Human Untagged Clone

Product data:

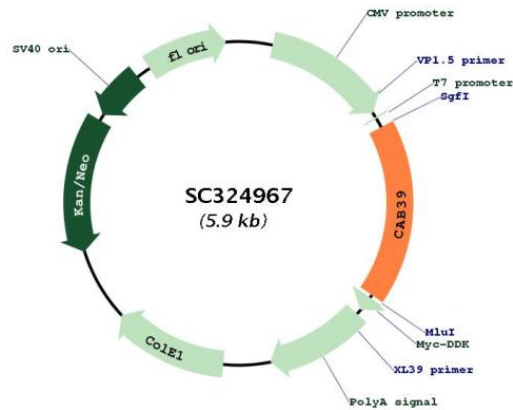
Product Type:	Expression Plasmids
Product Name:	CAB39 (NM_001130850) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAB39
Synonyms:	CGI-66; MO25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324967 representing NM_001130850. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGTTCCCGTTGGGAAGTCTCACAAATCTCCAGCAGACATTGTGAAGAATCTGAAGGAGAGCATG
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GAGGGCAAAAAGACGTGGCTCAAATTTTCAACAATATTCTCAGAAGACAATTTGTTACGAGAATCCT
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TGGTCGGAACAGTTTTATGATTTCTTCAGATATGTCGAAATGTCAACATTTGACATAGCTTCAGATGCA
TTTGCCACATTCAGGATTTACTTACAAGACATAAATGCTCAGTGCAGAATTTTGAACAGCATTAT
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GAGAACCTCAAATTAATGATGAACCTGCTGCGAGACAAAAGTCGCAACATCCAGTTTGAGGCCTTTCAC
GTTTTTAAGGTGTTTGTAGCCAATCCTAACAAGACGCAGCCATCCTAGACATCCTCCTCAAGAACCAG
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AAGACCTATTTAGTTAAACAGATCAGGGATTTGAAGAGACCAGCTCAGCAAGAAGCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001130850

Insert Size: 1026 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).

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_001130850.1](#)

RefSeq Size: 3712 bp

RefSeq ORF: 1026 bp

Locus ID: 51719

UniProt ID: [Q9Y376](#)

Cytogenetics: 2q37.1

Protein Pathways: mTOR signaling pathway

MW: 39.9 kDa

Gene Summary: Component of a complex that binds and activates STK11/LKB1. In the complex, required to stabilize the interaction between CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta) and STK11/LKB1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) represents an alternate non-coding exon in the 5'UTR compared to variant 1. The same protein is encoded by variants 1, 2, and 3.