

Product datasheet for **SC113117**

RAB25 (NM_020387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB25 (NM_020387) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB25
Synonyms:	CATX-8; RAB11C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020387 edited ATGGGGAATGGAAGTGGAGGAAGATTATAACTTTGTCTTCAAGGTGGTCTGATCGGCGAA TCAGGTGTGGGAAGACCAATCTACTCTCCGATTCACGCGCAATGAGTTCAGCCACGAC AGCCGCACCACCATCGGGTTGAGTTCTCCACCCGCACTGTGATGTTGGGCACCGCTGCT GTCAAGGCTCAGATCTGGGACACAGCTGGCCTGGAGCGGTACCGAGCCATCACCTCGGCG TACTATCGTGGTGCAGTGGGGCCCTCCTGGTGTGACCTAACCAAGCACCAGACCTAT GCTGTGGTGGAGCGATGGCTGAAGGAGCTCTATGACCATGCTGAAGCCACGATCGTCGTC ATGCTCGTGGGTAACAAAAGTGACCTCAGCCAGGCCCGGAAAGTGCCACTGAGGAGGCC CGAATGTTGCTGAAAACAATGGACTGCTCTTCTGGAGACCTCAGCCCTGGACTCTACC AATGTTGAGCTAGCCTTTGAGACTGTCCTGAAAGAAATCTTTCGAAGGTGTCCAAGCAG AGACAGAACAGCATCCGGACCAATGCCATCACTCTGGGAGTGGCCAGGCTGGACAGGAG CCTGGCCCTGGGAGAAGAGGGCCTGTTGCATCAGCCTCTGACCTTGGCCAGCACCACT GCCCCACTGGCTTTTTGGTGCCCTTGTCCCACTTCAGCCCCAGGACCTTTCTCTGCC CTTTGGTTCAGATATCAGACTGTTCCCTGTTACAGCACCCCTCAGGGTCTTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020387 unedited
 CGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGAAAGTCCCCTTACCCCAATG
 AGAGGAGGGGCAGGACCAGATCTTTTGAGAGCTGAGGGTTGAGGGCATTGAGCCAACACA
 CAGATTTGTGCCTCTGTCCCGAAGACACCTGCACCCTCCATGCGGAGCCAAGATGGGG
 AATGGAAGTGAAGGATTATAACTTTGTCTTCAAGGTGGTGTGATCGGCGAATCAGGT
 GTGGGGAAGACCAATCTACTCTCCCGATTACGCGCAATGAGTTCAGCCACGACAGCCGC
 ACCACCATCGGGGTTGAGTTCTCCACCCCACTGTGATGTTGGGCACCGTGTGTCAAG
 GCTCAGATCTGGGACACAGCTGGCCTGGAGCGGTACCGAGCCATCACCTCGGCCTACTAT
 CGTGGTGCAGTGGGGCCCTCCTGGTGTGGACCTAACCAAGCACCAGACCTATGCTGTG
 GTGGAGCGATGGCTGAAGGAGCTCTATGACCATGCTGAAGCCACGATCGTCGTCATGCTC
 GTGGGTAACAAAAGTGACCTCAGCCAGGCCCGGGAAGTGCCCACTGANGAGGCCCGAAA
 TGTGCTGAAAACAATGGACTGCCTCTTCTGGAGACTTAGCCCTGGACTTACCAATGTT
 GACCTAGCCTTTGAGACTGTCTGAAAGAAATCTTTGCGAGGTGTCCAAGCAGAGACAGA
 ACAGATCCGACCATGCCCTCACTCTGGCAATGCCAAGCTGAAAGAACCTGGCCCTGG
 GAAAAGAGGGCCTGTTGATAACCTTTGACTTGCCAACCCCTGCCCACTGGCCTTTTG
 GGCCCTGTCCCAATTTAGCCCAGAACTNCTTGCCCTGTTCCAAAATAAACGTTCCCTG
 TCCACACACTCAGGGCTAAGGGCTATGCCCATAAAACCTTTTTTGGCCCCCTCAAAC
 AGACCTAAAAAGCTGTTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020387 unedited
 CGGCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGGATATAAAACAGCTTTATTT
 GAGGGTCTAGTCTGTGAGGGGTGGACAGATAAAAGAGGTATTTGTATAGGGCATGAAG
 ACCTTAAGACCCTGAGGGTGTGTGAACAGGGAACAGTCTGATATCTGGAACCAAAGGGC
 AAGGAAAGGTCTGGGGCTGAAGTGGGGACAAGGGGCACCAAAAAGCCAGTGGGGCAGG
 TGGTGTGGCCAAGGTCAGAGGCTGATGCAACAGGCCCTTTCTCCCAGGGCCAGGCTC
 CTGTCCAGCCTGGGCACTGCCAGAGTGTGGCATTGGTCCGGATGCTGTTCTGTCTCTG
 CTTGGACACCTTCGCAAAGATTTCTTTCAAGACAGTCTCAAAGGCTAGCTCAACATTGGT
 AGAGTCCAGGGCTGAGGTCTCCAGGAAGAGCAGTCCATTGTTTTAGCGAACATTCGGGC
 CTCCTCAGTGGGCACTTCCCGGGCCTGGCTGAGGTCACTTTTGTACCCACGAGCATGAC
 GACGATCGTGGCTTCAGCATGGTCATAGAGTCTTTCAGCCATCGCTCCACCACAGCATA
 GGTCTGGTGTGTTAGGTCAAACACCAAGGAGGGCCCCCACTGCACCACGATAGTACGC
 CGAGGTGATGGCTCGGTACCGCTCCAGCCAGCTGTGTCCAAATCTGAGCCTTGACAGC
 AGCGGTGCCCAACATCACAGTGCAGGTTGGAGAAGTCAACCCCGATGGTGGTGCCTGTG
 CTNGCTTGACTCATTGCGCGTGAATCGGGAGAGTAGATTGGTCTCCCCACACCTGATTC
 CGCGATCAGCACCAACCTTGAGAACAAATAATCTTCTCAGTTCATTCCACCTTGC
 TTCGCAAGAAAGGTGCAGGGTCTTTGGGCAAGAGAGCAAAAATTTGGTGTGGCTAAT
 GCCCTCACCTTAACCTTAN

Restriction Sites:

NotI-NotI

ACCN:

NM_020387

Insert Size:

1120 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_020387.1](#), [NP_065120.1](#)

RefSeq Size: 1022 bp

RefSeq ORF: 771 bp

Locus ID: 57111

UniProt ID: [P57735](#)

Cytogenetics: 1q22

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a member of the RAS superfamily of small GTPases. The encoded protein is involved in membrane trafficking and cell survival. This gene has been found to be a tumor suppressor and an oncogene, depending on the context. Two variants, one protein-coding and the other not, have been found for this gene. [provided by RefSeq, Nov 2015]

Transcript Variant: This variant (1) represents the longer, protein-coding transcript.