

Product datasheet for **SC117292**

RAB5C (NM_004583) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB5C (NM_004583) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB5C
Synonyms:	L1880; RAB5CL; RAB5L; RABL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004583 edited ATGGCGGGTCGGGGAGGGCGCAGCAGCACCAATGGACCAGCTGCTGGGAACAAGATCTGT CAATTTAAGCTGGTTCTGCTGGGGGAGTCTGCGGTAGGCAAATCCAGCCTCGTCCTCCGC TTTGTCAAGGGACAGTTTCACGAGTACCAGGAGAGCACAAATTGGAGCGGCCTTCCTCACA CAGACTGTCTGCCTGGATGACACAACAGTCAAGTTTGAGATCTGGGACACAGCTGGACAG GAGCGGTATCACAGCCTGGCCCCATGTAATCGGGGGGCCAGGCTGCCATCGTGGTC TATGACATCACCAACACAGATACATTTGCACGGGCCAAGAAGTGGTGAAGGAGCTACAG AGGCAGGCCAGCCCCAACATCGTCATTGCACTCGCGGGTAACAAGGCAGACCTGGCCAGC AAGAGAGCCGTGGAATTCAGGAAGCACAAAGCCTATGCAGACGACAACAGTTTGCTGTTT ATGGAGACATCAGCAAAGACTGCAATGAACGTGAACGAAATCTTCATGGCAATAGCTAAG AAGCTTCCAAGAACGAGCCCCAGAATGCAACTGGTGCTCCAGGCCGAAACCGAGGTGTG GACCTCCAGGAGAACAACCCAGCCAGCCGAGCCAGTGTGCAGCAACTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004583 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGACCAGTCCCCACCCGCACG CTCTCTGGACCACTACAGCTGGACGGGCAATGGCGGGTCGGGGAGGCGCAGCACGCCA ATGGACCAGCTGCTGGGAACAAGATCTGTCAATTTAAGCTGGTTCTGCTGGGGGAGTCTG CGGTAGGCAAATCCAGCCTCGTCTCCGCTTTGTCAAGGGACAGTTTCACGAGTACCAGG AGAGCACAAATGGAGCGGCCCTTCTCACACAGACTGTCTGCCTGGATGACACAACAGTCA AGTTTGAGATCTGGGACACAGCTGGACAGGAGCGGTATCACAGCCTGGCCCCCATGTACT ATCGGGGGGCCAGGCTGCCATCGTGGTCTATGACATCACCAACACAGATACATTTGCAC GGGCCAAGAAGTGGTGAAGGAGCTACAGAGGCAGGCCAGCCCCAACATCGTCATTGCAC TCGCGGGTAACAAGGCAGACCTGGCCAGCAAGAGAGCCGTGGAATTCAGGAAGCACAAG CCTATGCAGACGACAACAGTTTGTCTGTTTATGGAGACATCAGCAAAGACTGCAATGAACG TGAACGAAATCTTCATGGCAATAGCTAAGAAGCTTCCAAGAACGAGCCCCAGAATGCAA CTGGTGTCCAGGCCGAAACCGAGGTGTGGACCTTCAGGAGAACAACCCAGCCAGCCGGA GCCAGTGTGCAGCAACTGAGCCCCCTTGCCTGCCCGCTGTCCCGCCTCTCCGCCTG AATGACCCGACTGGAATCCACTCTACCAATCGCACTTAACGACTCCGGCCACACTGGGGG GGCAGGCCGGAAGGGGCCACCCGGATTTCCTATAATTTGGATCTAGGCCCGGATTGA GCCATTCCACCTGCGCCCTTGTGTAATATCCCATCCCATTTCTAACCC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004583 unedited</p> <pre>GCTATGGACCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGGTCGAT CGATCGGCTGACTATATTGACAAGATACTGATTGGTTACATGTTGAAGAAAACATACAAT ACAAAATACAGAAAAAGTTGGTTCCGTCCTCCACTCCCCCTTACCCACCCACCC CAAATACTCATCATCATGATTTGGTCAGAACAGGGCTCAGAGCCAGAGGTTGGGGTGACC GAGGGTGGAGGGTGTGGGCAATGGGTTTCGTGGCTGTCACAATAATGCTGTGATGATGC TGTGGTTTCCCAGCAGGGAGGTGGGAGCGGGGAGGGGGCTGCAGCCTGATGAGAGCCAGC TGAAGGAAGAGCTGCCTCTCCCTTCTAAGCCCTTCCAAGGTCTGCCACCCGCCAA ACCAAAGACCACTCCGAACAAAGTGAGGATGTGGATGCTCTTGTGGTCCGCTGTTCCG CAGGAGGGAAAGAAAGGGTAGCTGCACTGACCCCACTGTCCCATATAACAAGGTTGGGG GGCAAGAGCATGTGGCTACTCCCAGCAAGGGAATGGGAGAGCAGTANAAGGGGAGGA AGTGGGAAGAGCAGAAGATCATATATATATAAAAAAGTACTTAAGACTTAAAATTGAATT AGTATTTGTACAGAAAGGTGCANGTGAATGACTCACTCCGGCCTATGATCAAAATTATA TGGAGAAATCATGGTGGACCCCTCCCTCCCTGCCCCCAGTGGTGGCCCGAGTCGTTAAG TGCGATTGGTTAAAGTGATTCCAGTCGGTCATTCAANGCGGAGGGAGCGGNGGCANCGG GCAGGCAAGGGGGGCTCAATGCTGCACACTGGCTCCGCTGGCTGGGNTGTCTCTGGAG GTCCACCTCGGTTTCGCTGNACACAGTTGCATCTGGGCTCGTCTGGGAGCTCTAGCT ATGCATGAGATTCGTCCGTCATTGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004583
Insert Size:	1570 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).

Reconstitution Method:	<ol style="list-style-type: none">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_004583.2 , NP_004574.2
RefSeq Size:	1674 bp
RefSeq ORF:	651 bp
Locus ID:	5878
UniProt ID:	P51148
Cytogenetics:	17q21.2
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	Members of the Rab protein family are small GTPases of the Ras superfamily that are thought to ensure fidelity in the process of docking and/or fusion of vesicles with their correct acceptor compartment (Han et al., 1996 [PubMed 8646882]).[supplied by OMIM, Nov 2010] Transcript Variant: This variant (2) lacks an exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (a).