

Product datasheet for **SC117500**

RAB28 (NM_004249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB28 (NM_004249) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB28
Synonyms:	CORD18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004249 edited ATGTCGGACTCTGAGGAGAGAGCCAGGACCGGCAACTGAAAATCGTCGTGCTGGGGGAC GGCGCCTCCGGGAAGACCTCCTTAACACTACGTGTTTTGCTCAAGAACTTTTGGGAAACAG TACAAACAAACTATAGGACTGGATTTCTTTTGAGAAGGATAACATTGCCAGGAACTTG AATGTTACCTTCAAATTTGGGATATAGGAGGGCAGACAATAGGAGGCAAATGTTGGAT AAATATATCTATGGAGCACAGGGAGTCCTTGGTATATGATATTACAAATTATCAAAGC TTTGAGAATTTAGAAGATTGGTACTGTGGTGAAGAAAGTGAGCGAGGAGTCAGAACT CAGCCACTGGTTGCCTTGGTAGGCAATAAAATTGATTTGGAGCATATGCGAACAAATAAAA CCTGAAAAACACTTACGGTTTTGCCAGGAAAATGGTTTTAGTAGCCACTTTGTCTCAGCC AAGACAGGAGACTCTGTCTTCTGTGCTTTCAGAAAAGTTGCTGCTGAAATCCTTGGGATC AAATTAACAAAGCAGAAATAGAACAGTCACAGAGGGTGGTGAAGGCAGATATTGTAAC TACAACACAGGAACCTATGTCAAGGACTGTAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004249 unedited GGTTCAACATTTGTNATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGCTTCCC TCCCCCCCCACTCGGGGCGGGCCTGGTTCCCGGGACACCATGTGCGACTCTGAGGAGG AGAGCCAGGACCGCAACTGAAAATCGTCGTGCTGGGGGACGGCGCTCCGGGAAGACCT CCTTAACACGTGTTTTGCTCAAGAACTTTGGGAAACAGTACAACAACTATAGGAC TGGATTTCTTTTTGAGAAGGATAACATTGCCAGGAACTTGAATGTTACCCTTCAAATTT GGGATATAGGAGGCAGACAATAGGAGGCAAAATGTTGGATAAATATATCTATGGAGCAC AGGGAGTCTCTTGGTATATGATATTACAAATTATCAAAGCTTTGAGAATTTAGAAGATT GGTATACTGTGGTGAAGAAAGTGAGCGAGGAGTCAGAACTCAGCCACTGGTTGCCTTGG TAGGCAATAAAATTGATTTGGAGCATATGCGAACAATAAAACCTGAAAAACACTTACGGT TTTGCCAGGAAAAATGGTTTTAGTAGCCACTTTGTCTCAGCCAAGACAGGAGACTCTGTCT TCCTGTGCTTTCAGAAAGTTGCTGCTGAAATCCTTGGGATCAAATTAACAAAGCAGAAA TAGAACAGTCACAGAGGGTGGTGAAGGCAGATATTGTAACACTACAACCAGAACCTATGT CAAGGACTGTTAACCTTCTAGAAGCTCTATGTGTGCAGTTCAGTGAGCGCATTTTCTTT TGNGTTGATAGTCTGGCTGCCCTCACCTCTGGTGGGCCCAGGACTTCTAGAACTCTGTT TATCAGTGCCATCTCTGTAGTCAGTTACTACTCCACTTGTTCATCATGCTATTGCT CACG
Restriction Sites:	NotI-NotI
ACCN:	NM_004249
Insert Size:	1720 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_004249.1 , NP_004240.1
RefSeq Size:	773 bp
RefSeq ORF:	663 bp
Locus ID:	9364
UniProt ID:	P51157
Cytogenetics:	4p15.33
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the Rab subfamily of Ras-related small GTPases. The encoded protein may be involved in regulating intracellular trafficking. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 9 and X. [provided by RefSeq, Apr 2009]

Transcript Variant: This variant (2) has an alternate exon in the 3' coding region, compared to variant 1, that causes a frameshift. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.