

Product datasheet for **SC114984**

RAB30 (NM_014488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB30 (NM_014488) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114984 sequence for NM_014488 edited (data generated by NextGen Sequencing)

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ATGAGTATGGAAGATTATGATTTCTGTTCAAATTTGTTTTAATTGGCAACGCTGGTGTG
GGGAAGACGTGCCTCGTCCGAAGATTCCTCAGGGTCTTTTCCCCCAGGTCAAGGAGCC
ACAATTGGAGTTGATTTTATGATTAAGACAGTGGAGATTAATGGTGAAAAAGTAAAGCTA
CAGATCTGGGACACAGCAGGTCAAGAGAGATTTCCGGTCCATTACCCAGAGTTACTACCGA
AGCGCCAATGCCTTGATCCTCACCTATGACATTACCTGTGAGGAATCCTTCCGTTGCCTT
CCTGAGTGGCTGCGGGAGATAGAACAATATGCCAGCAACAAGGTCATCACTGTGTTAGTG
GGCAACAAGATTGACCTGGCTGAAAGGAGAGAGGTTTCCAGCAGCGAGCTGAAGAATTC
TCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGCCAAGGAATCTGATAATGTGGAG
AAACTTTCCTTGACTTAGCATGCCGACTCATCAGTGAAGCCAGACAGAACACACTTGTG
AACAAATGTATCCTCACCTTACCTGGAGAAGGGAAAAGCATCAGCTATTTGACTTGTGT
AATTTCAACTAA
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Clone variation with respect to NM_014488.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014488 unedited AGAATTTTGTAAACGACTCACTATAGGGCGGCCCGGATTTCGGCACGAGGCGCAGACCT TCCCTTGGCGTGCCTGACTCATTTCGCACATCCATTTCTGTTTATGCCTGGGGTGGGGAGAA AAATCCCAAACGAGCTGTGTAATGAGTATGGAAGATTATGATTTCTGTTCAAATTTGT TTTAATTGGCAACGCTGGTGTGGGAAGACGTGCCTCGTCCGAAGATTCACTCAGGGTCT TTTCCCCCAGGTCAAGGAGCCACAATTGGAGTTGATTTTATGATTAAGACAGTGGAGAT TAATGGTGAAAAAGTAAAGCTACAGATCTGGACACAGCAGGTCAAGAGAGATTTTCGGTC CATTACCCAGAGTTACTACCGAAGCGCCAATGCCTTGATCCTCACCTATGACATTACCTG TGAGGAATCCTTCCGTTGCCTTCTGAGTGGCTGCGGGAGATAGAACAATATGCCAGCAA CAAGGTCACTACTGTGTTAGTGGCAACAAGATTGACCTGGCTGAAAGGAGAGAGTTTTC CCAGCAGCGAGCTGAAGAATTCTCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGC CAAGGAATCTGATAATGTGGAGAACTTCTCTTGACTTAGCATGCCGACTCATCAGTGA AGCCAGACAGAACACACTGTGAACAATGTATCCTCACCTTACCTGGAGAAGGGAAAAG CATCAGCTATTTGACTTGTGTAATTTCAACTAAAGGCTGANGCACGGAGAAAAGAAAGGA AATCAGCACTGCCCTGATGGCCATGAGATGCTGNNGGAGATCTGGCGATGACTGTGGCT CCCGCTCTGACCTTCTGACTNCTGTGNCTNCTGAGCTTACAAGCATGGCAGN
Restriction Sites:	NotI-NotI
ACCN:	NM_014488
Insert Size:	2680 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:	<u>NM_014488.3</u> , <u>NP_055303.2</u>
RefSeq Size:	1619 bp
RefSeq ORF:	612 bp
Locus ID:	27314
UniProt ID:	<u>Q15771</u>
Cytogenetics:	11q14.1
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome

Gene Summary:

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). Required for maintaining the structural integrity of the Golgi apparatus, possibly by mediating interactions with cytoplasmic scaffolding proteins. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.