

Product datasheet for **SC334427**

RAB30 (NM_001286061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB30 (NM_001286061) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB30
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286061, the custom clone sequence may differ by one or more nucleotides

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ATGAGTATGGAAGATTATGATTTCTGTTCAAAATTGTTTTAATTGGCAACGCTGGTGTGGGAAGACGT
GCCTCGTCCGAAGATTCAGGCTCTTTCCCCCAGGTCAAGGAGCCACAATTGGAGTTGATTTTAT
GATTAAGACAGTGGAGATTAATGGTGAAAAAGTAAAGCTACAGATCTGGGACACAGCAGGTCAAGAGAGA
TTTCGGTCCATTACCCAGAGTTACTACCGAAGCGCCAATGCCTTGATCCTCACCTATGACATTACCTGTG
AGGAATCCTTCCGTTGCCTTCTGAGTGGCTGCGGGAGATAGAACAAATATGCCAGCAACAAGGTCATCAC
TGTGTTAGTGGGCAACAAGATTGACCTGGCTGAAAGGAGAGAGGTTTCCAGCAGCGAGCTGAAGAATTC
TCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGCCAAGGAATCTGATAATGTGGAGAACTCTTCC
TTGACTTAGCATGCCGACTCATCAGTGAAGCCAGACAGAACACACTTGTGAACAATGTATCCTCACCCCT
ACCTGGAGAAGGGAAAAGCATCAGCTATTTGACTTGTGTGAATTTCAACTAA
  
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286061
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).


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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_001286061.1, NP_001272990.1</u>
RefSeq Size:	9783 bp
RefSeq ORF:	612 bp
Locus ID:	27314
UniProt ID:	<u>Q15771</u>
Cytogenetics:	11q14.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) 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.</p>