

Product datasheet for **SC330423**

RAB18 (NM_001256415) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB18 (NM_001256415) Human Untagged Clone
Tag: Tag Free
Symbol: RAB18
Synonyms: RAB18LI1; WARBM3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330423 representing NM_001256415.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACGAGGACGTGCTAACCACCCTGAAGATCCTCATCATCGGCGAGAGTGGGGTGGGCAAGTCCAGC
CTGCTCTTGAGGTTACAGATGATACGTTTGATCCAGAAGTTCAGATACTGCTGGTCAAGAGAGGTTT
AGAACATTAACCTCCAGCTATTATAGAGGTGCACAGGGTGTATATTAGTTTATGATGTCACAAGAAGA
GATACATTTGTTAACTGGATAATTGGTTAAATGAATTGGAAACATACTGTACAAGAAATGACATAGTA
AACATGCTAGTTGAAAATAAAATCGATAAGGAAAATCGTGAAGTCGATAGAAATGAAGGCCTGAAATTT
GCACGAAAGCATTCCATGTTATTTATAGAGGCAAGTGCAAAAACCTGTGATGGTGTACAATGTGCCTTT
GAAGAAGTGTGAAAAGATCATTTCAGACCCCTGGACTGTGGGAAAGTGAGAACCAGAATAAAGGAGTC
AACTGTACACAGGGAAGAAGGCCAAGGAGGAGGCCTGTGGTGGTTATTGCTCTGTGTTATAA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001256415
Insert Size: 549 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).



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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_001256415.1](#)

RefSeq Size: 4931 bp

RefSeq ORF: 549 bp

Locus ID: 22931

UniProt ID: [Q9NP72](#)

Cytogenetics: 10p12.1

Protein Families: Druggable Genome

MW: 20.4 kDa

Gene Summary: The protein encoded by this gene is a member of a family of Ras-related small GTPases that regulate membrane trafficking in organelles and transport vesicles. Knockdown studies in zebrafish suggest that this protein may have a role in eye and brain development. Mutations in this gene are associated with Warburg micro syndrome type 3. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (4) uses an alternate donor splice site at an internal exon, and lacks another coding exon compared to variant 1. However, it maintains the reading frame, and encodes a shorter isoform (4) missing an internal protein segment compared to isoform 1. 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.