

Product datasheet for **SC331837**

Rab2 (RAB2A) (NM_001242644) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab2 (RAB2A) (NM_001242644) Human Untagged Clone
Tag: Tag Free
Symbol: Rab2
Synonyms: LHX; RAB2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331837 representing NM_001242644.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGTACGCCTATCTCTTCAAGTACATCATAATCGGCGACACAGGTGTAGAGTTCGGTGCTCGAATG
ATAACTATTGATGGGAAACAGATAAACTTCAGATATGGGATACGGCAGGGCAAGAATCCTTTCTGTTCC
ATCACAAGGTCGTATTACAGAGGTGCAGCAGGAGCTTTACTAGTTTACGATATTACACGGAGAGATACA
TTCAACCACTTGACAACCTGGTTAGAAGATGCCCGCCAGCATTCCAATCCAACATGGTCATTATGCTT
ATTGAAAATAAAAGTGATTTAGAATCTAGAAGAGAAGTAAAAAAGAAGAAGGTGAAGCTTTTGCACGA
GAACATGGACTCATCTTCATGGAACGTCTGCTAAGACTGCTTCCAATGTAGAAGAGGCATTTATTAAT
ACAGCAAAAGAAATTTATGAAAAATTCAGAAGGAGTCTTTGACATTAATAATGAGGCAATGGCATT
AAAATTGGCCCTCAGCATGCTGCTACCAATGCAACACATGCAGGCAATCAGGGAGGACAGCAGGCTGGG
GGCGGCTGCTGTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001242644
Insert Size: 567 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_001242644.1](#)

RefSeq Size: 3740 bp

RefSeq ORF: 567 bp

Locus ID: 5862

UniProt ID: [P61019](#)

Cytogenetics: 8q12.1-q12.2

Protein Families: Druggable Genome

MW: 20.8 kDa

Gene Summary: The protein encoded by this gene belongs to the Rab family, members of which are small molecular weight guanosine triphosphatases (GTPases) that contain highly conserved domains involved in GTP binding and hydrolysis. The Rabs are membrane-bound proteins, involved in vesicular fusion and trafficking. This protein is a resident of pre-Golgi intermediates, and is required for protein transport from the endoplasmic reticulum (ER) to the Golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region compared to variant 1. This results in a shorter isoform (b) missing an internal protein segment compared to isoform a. 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.