

Product datasheet for **SC331025**

RAB13 (NM_001272038) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB13 (NM_001272038) Human Untagged Clone
Tag: Tag Free
Symbol: RAB13
Synonyms: GIG4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331025 representing NM_001272038.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGGCATTATCCTAGTATACGACATCACGGATGAGAAATCTTTCGAGAATATTCAGAACTGGATGAAA
AGCATCAAGGAGAATGCCTCGGCTGGGGTGGAGCGCCTCTTCTGGGGAACAAATGTGACATGGAGGCC
AAGAGGAAGGTGCAGAAGGAGCAGGCCGATAAGTTGGCTCGAGAGCATGGAATCCGATTTTTCGAAACT
AGTGCTAAATCCAGTATGAATGTGGATGAGGCTTTTAGTTCCTGGCCCGGACATCTTGCTCAAGTCA
GGAGGCCGAGATCAGGAAACGGCAACAAGCCTCCAGTACTGACCTGAAAACCTGTGACAAGAAGAAC
ACCAACAAGTGCTCCCTGGGCTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001272038
Insert Size: 369 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: 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.



[View online »](#)

RefSeq: NM_001272038.1

RefSeq Size: 1353 bp

RefSeq ORF: 369 bp

Locus ID: 5872

UniProt ID: P51153

Cytogenetics: 1q21.3

Protein Families: Druggable Genome

Protein Pathways: Tight junction

MW: 13.6 kDa

Gene Summary: This gene is a member of the Rab family of small G proteins and plays a role in regulating membrane trafficking between trans-Golgi network (TGN) and recycling endosomes (RE). The encoded protein is involved in the assembly of tight junctions, which are components of the apical junctional complex (AJC) of epithelial cells. The AJC plays a role in forming a barrier between luminal contents and the underlying tissue. Additional functions associated with the protein include endocytic recycling of occludin, regulation of epithelial cell scattering, neuronal regeneration and regulation of neurite outgrowth. Alternately spliced transcript variants have been observed for this gene. A pseudogene associated with this gene is located on chromosome 12. [provided by RefSeq, Jan 2013]

Transcript Variant: This variant (2) contains a novel 5' terminal exon and uses a downstream start codon compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.