

Product datasheet for SC331020

Rab4 (RAB4A) (NM_001271998) Human Untagged Clone

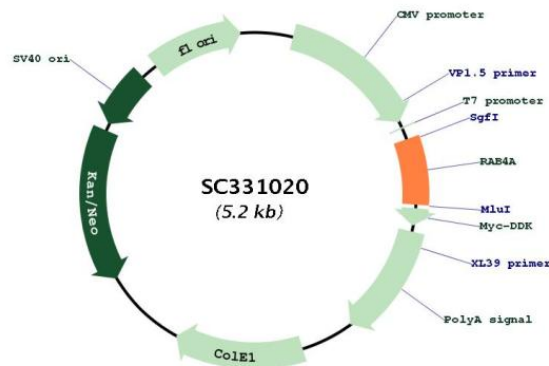
Product data:

Product Type: Expression Plasmids
Product Name: Rab4 (RAB4A) (NM_001271998) Human Untagged Clone
Tag: Tag Free
Symbol: RAB4A
Synonyms: HRES-1; HRES-1/RAB4; HRES1; RAB4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331020 representing NM_001271998.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATATCACCAGATGCCGAATGCTAGCGAGCCAGAACATTGTGATCATCCTTTGTGGAACAAGAAG
GACCTGGATGCAGATCGTGAAGTTACCTTCTTAGAAGCCTCCAGATTTGCTCAAGAAAATGAGCTGATG
TTTTTGGAAACAAGTGCCTCACAGGGGAGAATGTAGAAGAGGCTTTTGTACAGTGTGCAAGAAAATA
CTTAACAAAATCGAATCAGGTGAGCTGGACCCAGAAAAGAATGGGCTCAGGTATTCAGTACGGAGATGCT
GCCTTGAGACAGCTGAGGTCACCGCGCGCGCACAGGCCCGAACGCTCAGGAGTGTGGTTGTAG
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001271998

Insert Size: 342 bp



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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:	NM_001271998.1
RefSeq Size:	2822 bp
RefSeq ORF:	342 bp
Locus ID:	5867
UniProt ID:	P20338
Cytogenetics:	1q42.13
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
MW:	12.5 kDa
Gene Summary:	<p>This gene is a member of the largest group in the Ras superfamily of small GTPases, which regulate membrane trafficking. The encoded protein is associated with early endosomes and is involved in their sorting and recycling. The protein also plays a role in regulating the recycling of receptors from endosomes to the plasma membrane. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (2) has multiple differences in the coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than 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.</p>