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Product datasheet for SC330249

RAP1B (NM_001251922) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: RAP1B (NM_001251922) Human Untagged Clone

Tag: Tag Free

Symbol: RAP1B

Synonyms: K-REV; RAL1B

Vector: pCMV6-Entry (PS100001)

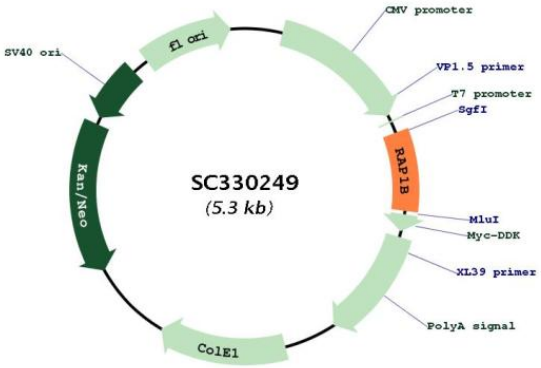
Fully Sequenced ORF:

>SC330249 representing NM_001251922.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGTGAGTATAAGCTAGTCGTTCTTGGCTCAGGAGGCGTTGGAAAGTCTGCTTTGACTGTACAATTT
GTTCAAGGAATTTTTGTAGAAAAATACGATCCTACGATAGAAGATTCTTATAGAAAGCAAGTTGAAGTA
GATGCACAACAGTGTATGCTTGAAATCTTGGATACTGCAGGAACGGTTCCAATGATTCTTGTTGGTAAT
AAGTGTGACTTGGAAGATGAAAGAGTTGTAGGGAAGGAACAAGGTCAAAATCTAGCAAGACAATGGAAC
AACTGTGCATTCTTAGAATCTTCTGCAAAATCAAAAATAAATGTTAATGAGATCTTTTATGACCTAGTG
CGGCAAATTAACAGAAAAACTCCAGTGCCTGGGAAGGCTCGCAAAAAGTCATCATGTCAGCTGCTTTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001251922
Insert Size:	414 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.
RefSeq:	NM_001251922.1
RefSeq Size:	2022 bp
RefSeq ORF:	414 bp
Locus ID:	5908
UniProt ID:	P61224
Cytogenetics:	12q15
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Long-term potentiation, MAPK signaling pathway, Neurotrophin signaling pathway, Renal cell carcinoma
MW:	15.4 kDa
Gene Summary:	This gene encodes a member of the RAS-like small GTP-binding protein superfamily. Members of this family regulate multiple cellular processes including cell adhesion and growth and differentiation. This protein localizes to cellular membranes and has been shown to regulate integrin-mediated cell signaling. This protein also plays a role in regulating outside-in signaling in platelets. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 3, 5, 6 and 9. [provided by RefSeq, Oct 2011] Transcript Variant: This variant (6) differs in the 5' UTR and lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (4) is shorter than isoform 1.