

Product datasheet for RC221508L3

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OriGene Technologies, Inc.

RAB23 (NM_183227) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RAB23 (NM_183227) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: RAB23

Synonyms: HSPC137

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC221508).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_183227

ORF Size: 711 bp





RAB23 (NM_183227) Human Tagged Lenti ORF Clone - RC221508L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 183227.1</u>

RefSeq Size: 4391 bp RefSeq ORF: 714 bp

Locus ID: 51715

UniProt ID: Q9ULC3

Cytogenetics: 6p12.1-p11.2

Protein Families: Druggable Genome

Protein Pathways: Hedgehog signaling pathway

MW: 26.7 kDa

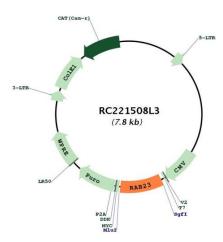
Gene Summary: This gene encodes a small GTPase of the Ras superfamily. Rab proteins are involved in the

regulation of diverse cellular functions associated with intracellular membrane trafficking, including autophagy and immune response to bacterial infection. The encoded protein may play a role in central nervous system development by antagonizing sonic hedgehog signaling.

Disruption of this gene has been implicated in Carpenter syndrome as well as cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]



Product images:



Circular map for RC221508L3