

# Product datasheet for RC221508

# RAB23 (NM\_183227) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

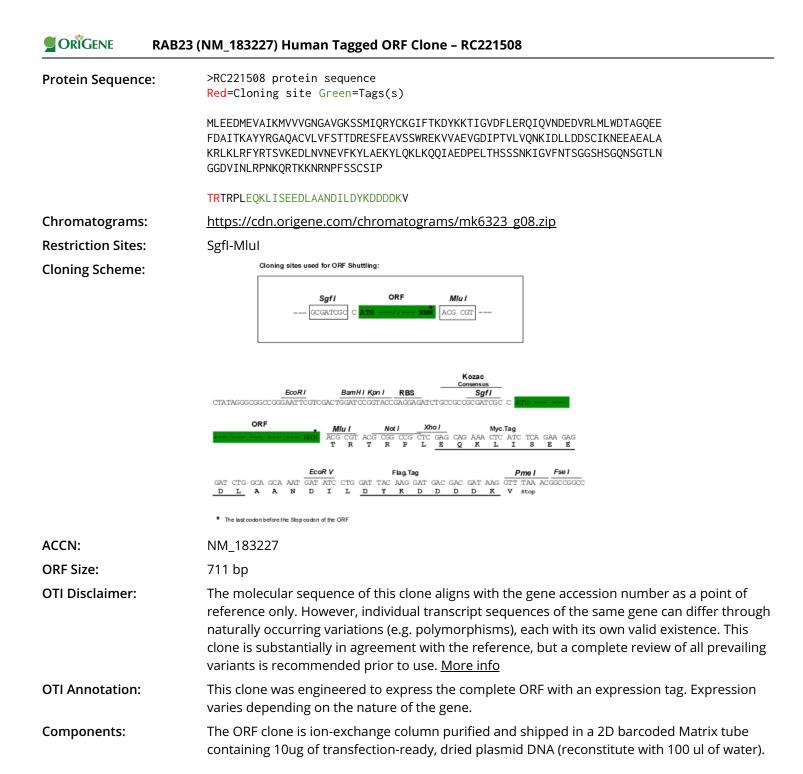
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Product Type:	Expression Plasmids
Product Name:	RAB23 (NM_183227) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB23
Synonyms:	HSPC137
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC221508 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



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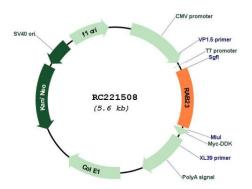


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## Section 221508 RAB23 (NM\_183227) Human Tagged ORF Clone - RC221508

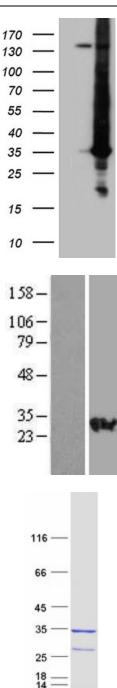
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 183227.2</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 RC221508

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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RAB23 (Cat# RC221508, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RAB23 (Cat# [TA809380])(1:2000). Positive lysates [LY405187] (100ug) and [LC405187] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY405187]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221508 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RAB23 protein (Cat# [TP321508]). The protein was produced from HEK293T cells transfected with RAB23 cDNA clone (Cat# RC221508) using MegaTran 2.0 (Cat# [TT210002]).

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