

# Product datasheet for RC208529L1

## RAB5B (NM\_002868) Human Tagged Lenti ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	RAB5B (NM_002868) Human Tagged Lenti ORF Clone					
Tag:	Myc-DDK					
Symbol:	RAB5B					
Mammalian Cell Selection:	None					
Vector:	pLenti-C-Myc-DDK (PS100064)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert	t of th	is clone	is exact	ly the same	as(RC208529).
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:						
		Cloning sit	es used for ORF Shi	uttling:		
			<i>Sgf I</i> GCG ATC GCC ATG	ORF	Mlu I ACG CGT	
		<u>.</u>				
		EcoR I	BamH I	RBS	Kozak Consensus Sgf I	ORF
	CTATAGGGCGGCCG				GCCGCCGCGATCGC C ATG	

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_002868 645 bp

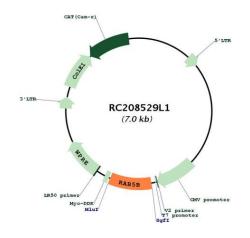


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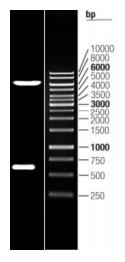
	(NM_002868) Human Tagged Lenti ORF Clone – RC208529L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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. <u>More info</u>
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:	<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 002868.2</u>
RefSeq Size:	3336 bp
RefSeq ORF:	648 bp
Locus ID:	5869
UniProt ID:	<u>P61020</u>
Cytogenetics:	12q13.2
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
MW:	23.5 kDa
Gene Summary:	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]

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### **Product images:**



Circular map for RC208529L1



Double digestion of RC208529L1 using Sgfl and Mlul

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