

## Product datasheet for **RC205335L4V**

### Epac2 (RAPGEF4) (NM\_007023) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Epac2 (RAPGEF4) (NM_007023) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Epac2
Synonyms:	CAMP-GEFII; CGEF2; EPAC; EPAC 2; EPAC2; Nbla00496
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007023
ORF Size:	3033 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205335).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_007023.1</a>
RefSeq Size:	4361 bp
RefSeq ORF:	3036 bp
Locus ID:	11069
UniProt ID:	<a href="#">Q8WZA2</a>
Cytogenetics:	2q31.1
Domains:	DEP, cNMP, RasGEFN, RasGEF
Protein Pathways:	Leukocyte transendothelial migration


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**MW:** 115.5 kDa

**Gene Summary:** Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2 (By similarity).[UniProtKB/Swiss-Prot Function]