

Product datasheet for **RC217088L3V**

Epac2 (RAPGEF4) (NM_001100397) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Epac2 (RAPGEF4) (NM_001100397) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | RAPGEF4 |
| Synonyms: | CAMP-GEFII; CGEF2; EPAC; EPAC 2; EPAC2; Nbla00496 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001100397 |
| ORF Size: | 2601 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217088). |
| 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. |
| RefSeq: | NM_001100397.1 , NP_001093867.1 |
| RefSeq Size: | 4120 bp |
| RefSeq ORF: | 2604 bp |
| Locus ID: | 11069 |
| UniProt ID: | Q8WZA2 |
| Cytogenetics: | 2q31.1 |
| Protein Pathways: | Leukocyte transendothelial migration |
| MW: | 99.3 kDa |



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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]