

Product datasheet for **RC214083L3V**

CDC42 binding protein kinase alpha (CDC42BPA) (NM_003607) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CDC42 binding protein kinase alpha (CDC42BPA) (NM_003607) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CDC42BPA |
| Synonyms: | MRCK; MRCKA; PK428 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_003607 |
| ORF Size: | 1424 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC214083). |
| 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_003607.2 |
| RefSeq Size: | 8019 bp |
| RefSeq ORF: | 5160 bp |
| Locus ID: | 8476 |
| UniProt ID: | Q5VT25 |
| Cytogenetics: | 1q42.13 |
| Domains: | pkinese, S_TK_X, TyrKc, S_TKc |



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Protein Families: Druggable Genome, Protein Kinase

MW: 199.86 kDa

Gene Summary: The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase contains multiple functional domains. Its kinase domain is highly similar to that of the myotonic dystrophy protein kinase (DMPK). This kinase also contains a Rac interactive binding (CRIB) domain, and has been shown to bind CDC42. It may function as a CDC42 downstream effector mediating CDC42 induced peripheral actin formation, and promoting cytoskeletal reorganization. Multiple alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2018]