

Product datasheet for **RC204593L4V**

CDC42EP5 (NM_145057) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CDC42EP5 (NM_145057) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CDC42EP5
Synonyms:	Borg3; CEP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145057
ORF Size:	444 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204593).
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_145057.2
RefSeq Size:	917 bp
RefSeq ORF:	447 bp
Locus ID:	148170
UniProt ID:	Q6NZY7
Cytogenetics:	19q13.42
Domains:	PBD
MW:	15 kDa


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Gene Summary:

Cell division control protein 42 (CDC42), a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg (binder of Rho GTPases) family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to CDC42 and regulate its function negatively. The encoded protein may inhibit c-Jun N-terminal kinase (JNK) independently of CDC42 binding. The protein may also play a role in septin organization and inducing pseudopodia formation in fibroblasts [provided by RefSeq, Jul 2013]