

Product datasheet for **RC201069**

CDC42EP3 (NM_006449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC42EP3 (NM_006449) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC42EP3
Synonyms:	BORG2; CEP3; UB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201069 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCCAAGACCCCAATTTACCTGAAAGCAGCCAATAACAAGAAAGGAAAGAAATTTAACTGAGGG
ACATTCTGTCTCCTGATATGATCAGTCCCCCGCTTGGAGACTTTCGCCACACCATCCACATTGGCAAAGA
GGGCCAGCAGATGTCTTTGGAGATATTCCTTTCTTCAAGGGAACACGAGCTTTACCTGAAACCGAG
GAGAAAGCACACCTGGCCAGTTCCTGGGCATAATGAGTTCTTCCGGGCAACAGCACCTCGGACTCTG
TGTTACAGAAAGCCCTCCCCGGTCTCAAAAATGCCATCTCCCTCCCGACCATTGGAGGATCCCAAGC
TCTCATGTTGCCCTTATTGTACCAGTGACATTTAATTCCAACAGGAGTCCCTTCGGGCCAGCAAAGCTG
CCCAGGCTTAGCTGCGAGCCCGTATGGAGGAAAAAGCTCAGGAGAAAAGCAGTCTGTTGGAGAATGGGA
CAGTCCACCAGGGAGACACCTCGTGGGGCTCCAGCGGTTCTGCATCTCAGTCCAGCCAAGGCAGAGACAG
CCACTCTCCAGCCTGTCCGAACAGTACCCGACTGGCCAGCCGAGGACATGTTTGACCATCCACCCCA
TGCGAGCTCATCAAGGAAAGACTAAGTCAGAGGAGTCCCTCTCTGACCTTACAGGTTCCCTCCTCTCC
TGCAGTTGATCTTGGCCCTCACTTTTGGATGAGGTGCTGAATGTAATGGATAAAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. 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.

RefSeq: [NM_006449.5](#)

RefSeq Size: 5715 bp

RefSeq ORF: 765 bp

Locus ID: 10602

UniProt ID: [Q9UKI2](#)

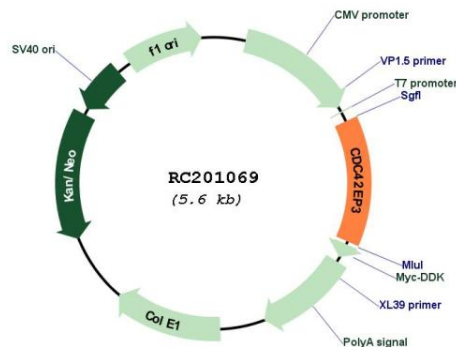
Cytogenetics: 2p22.2

Domains: PBD

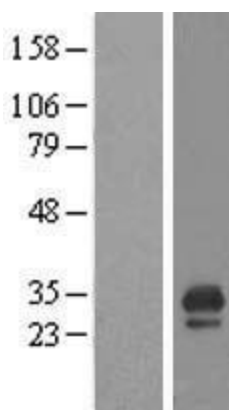
MW: 27.7 kDa

Gene Summary: This gene encodes a member of a small family of guanosine triphosphate (GTP) metabolizing proteins that contain a CRIB (Cdc42, Rac interactive binding) domain. Members of this family of proteins act as effectors of CDC42 function. The encoded protein is involved in actin cytoskeleton re-organization during cell shape changes, including pseudopodia formation. A pseudogene of this gene is found on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

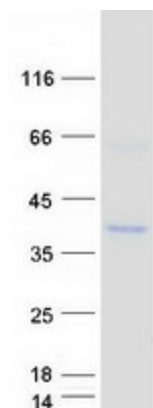
Product images:



Circular map for RC201069



Western blot validation of overexpression lysate (Cat# [LY416634]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201069 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CDC42EP3 protein (Cat# [TP301069]). The protein was produced from HEK293T cells transfected with CDC42EP3 cDNA clone (Cat# RC201069) using MegaTran 2.0 (Cat# [TT210002]).