

Product datasheet for **SC330837**

CDC42EP3 (NM_001270438) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CDC42EP3
Synonyms:	BORG2; CEP3; UBI
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330837 representing NM_001270438. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCAGCCAAGACCCCAATTTACCTGAAAGCAGCCAATAACAAGAAAGGAAAGAAATTTAAACTGAGG
GACATTCTGTCTCTGATATGATCAGTCCCCCGCTTGGAGACTTTCGCCACACCATCCACATTGGCAAA
GAGGGCCAGCAGATGTCTTTGGAGATATTTCTTTCTTCAAGGGAACACGAGCTTTTACCTGGAAC
CAGGAGAAAGCACACCTGGGCCAGTTCCTGGGCATAATGAGTTCTTCCGGGCCAACAGCACCTCGGAC
TCTGTGTTTACAGAAACGCCCTCCCCGGTGCTCAAAAATGCCATCTCCCTCCCGACCATGGAGGATCC
CAAGCTCTCATGTTGCCCTTATTGTACCAGTGACATTTAATTCCAACAGGAGTCCTTCGGGCCAGCA
AAGTGCCAGGCTTAGCTGCGAGCCCGTCATGGAGGAAAAAGCTCAGGAGAAAGCAGTCTGTTGGAG
AATGGGACAGTCCACAGGGAGACCTCGTGGGGCTCCAGCGTTCTGCATCTCAGTCCAGCCAAGGC
AGAGACAGCCACTCTCCAGCCTGTCCGAACAGTACCCCGACTGGCCAGCCGAGGACATGTTTGACCAT
CCCACCCCATGCGAGCTCATCAAGGAAAGACTAAGTCAGAGGAGTCCCTCTCTGACCTTACAGGTTCC
CTCCTCTCCTGCAGCTTGATCTTGGGCCCTCACTTTTGGATGAGGTGCTGAATGTAATGGATAAAAT
AAGTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001270438
Insert Size:	765 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001270438.1</u>
RefSeq Size:	5056 bp
RefSeq ORF:	765 bp
Locus ID:	10602
UniProt ID:	<u>Q9UKI2</u>
Cytogenetics:	2p22.2
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] Transcript Variant: This variant (4) uses an alternate splice donor site in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.