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Product datasheet for SC320340

CDC42EP3 (NM_006449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC42EP3 (NM_006449) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC42EP3
Synonyms:	BORG2; CEP3; UB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_006449.3
CTCTCGCGGCCGGGGGACCGCAGCGCGGGGCTAGCCCGGAGACCCGGCCACCGGCCTGGG
GCGCCTTCACGCCGTCTCGGAGCGGATAATGCGGTGAGCAGGCACCACGCCGGCAGACTC
GGCTGGATCTGCGCACAGCGGCAGGGATTGCGTGCGCCCGCGGGAGGCCCGGGGCAGCGG
CTGGGATCCTCAGCGGCGGCCGGTTTGTCCTGGTTGTGGTCAAGACTGGATGATGTAACT
GGCTCTCTAGGAAGCCTCACTTGGCCGTAACCTCAGGAAGGTTCTCTTTGACCCCATCTC
ATTTCGAAGCCACTTCTGAAGCCACTTGAGAAAAATGATGTGACAGTTCCTATCAAAAAG
GATTCAGAAACATATACCATCTGTGAAGAAAGTGGCCCTTTCTCCCGCTTGCAAAATAGA
CATTCTCAAATTCCAAAATGCCAGCCAAGACCCCAATTTACCTGAAAGCAGCCAATAACA
AGAAAGGAAAGAAATTTAAACTGAGGGACATTCTGTCTCCTGATATGATCAGTCCCCCGC
TTGGAGACTTTCGCCACACCATCCACATTGGCAAAGAGGGCCAGCACGATGTCTTTGGAG
ATATTTCCTTTCTTCAAGGGAACTACGAGCTTTTACCTGGAAACCAGGAGAAAGCACACC
TGGGCCAGTTCCCTGGGCATAATGAGTTCTTCCGGGCCAACAGCACCTCGGACTCTGTGT
TCACAGAAACGCCCTCCCCGGTGCTCAAAAATGCCATCTCCCTCCCGACCATTGGAGGAT
CCCAAGCTCTCATGTTGCCCTTATTGTCACCAGTGACATTTAATTCCAAACAGGAGTCCT
TCGGGCCAGCAAAGCTGCCCAGGCTTAGCTGCGAGCCCGTCATGGAGGAAAAAGCTCAGG
AGAAAAGCAGTCTGTTGGAGAATGGGACAGTCCACCAGGGAGACACCTCGTGGGGCTCCA
GCGGTTCTGCATCTCAGTCCAGCCAAGGCAGAGACAGCCACTCCTCCAGCCTGTCCGAAC
AGTACCCCGACTGGCCAGCCGAGGACATGTTTGACCATCCCACCCCATGCGAGCTCATCA
AGGGAAAGACTAAGTCAGAGGAGTCCCTCTCTGACCTTACAGGTTCCCTCCTCTCCCTGC
AGCTTGATCTTGGGCCCTCACTTTTGGATGAGGTGCTGAATGTAATGGATAAAAATAAGT
AACAAGATGCCAACTTTTTTCCTTTGGGGTAAAAGGTACAAAAACAAACTAACCACAGTT
GAAGAGAAGGGCTTCCGGAGCTGTATTTGCAGTTTTGTGTTGGGTTTTCTAAAATAATAT
TCTTACAAAGTATTTTTTTACCTGTTATGCCCTGTTTGCAAAAACAATTTAGAAAAAAAC
AACAAAGCAAAACCTATCTTGGCAAAAAAAGGAAGTGAGTCAGAGCCCATTTTCAGGAGG
CATTGGTGATGTTCGGCTCACATATTGTTTGCAGACACACAAGAAATCTGGCTTGGCCAG
GATTGGCACTAGCTATGAAGGGCTGAGCGAGTCACATTAAGGAACTTCACGGAACTTTAT
AGCACTCCGACATTTTCTGAGCAAGAGGAAGTCAAAATTTATTTAACACCTAAGCCTTTT
TGTAGACTCTTTTCTATATATTGCTTAGGCTCACCATAGCGAATTCTCCAGTGTTAAAAC
TTTTCTGTTTTCACATTTGAACTTTATGGGTTTTGGGGATTTTCTTGTAGTTCTTATATA
TCCCTATATATTATATCTATATTGCAAAATTTTGACTGTCAGCTACATGTTGGTAAGACA
CAGGCAAAGTATTACTGTAACTAAGTTATTTTTAAAGTTAAAATATATTTTTACGTGCCT
TTGGCAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_006449

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
RefSeq:	NM_006449.3, NP_006440.2
RefSeq Size:	3981 bp
RefSeq ORF:	765 bp
Locus ID:	10602
UniProt ID:	Q9UKI2
Cytogenetics:	2p22.2
Domains:	PBD
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 (1) represents the longest transcript. 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.