

Product datasheet for **SC309894**

CDC42 binding protein kinase alpha (CDC42BPA) (NM_003607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC42 binding protein kinase alpha (CDC42BPA) (NM_003607) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC42BPA
Synonyms:	MRCK; MRCKA; PK428
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003607, the custom clone sequence may differ by one or more nucleotides

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 CCCCAGAAAACCAAGAGCCTCTCCCTGGAGAGCACTGACCGCGGGAGCTGGGACCCGTGA

Restriction Sites:	Please inquire
ACCN:	NM_003607
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:	<ol style="list-style-type: none"> 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_003607.2 , NP_003598.2
RefSeq Size:	8019 bp
RefSeq ORF:	5160 bp
Locus ID:	8476
UniProt ID:	Q5VT25
Cytogenetics:	1q42.13
Domains:	pkinase, S_TK_X, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (B) encodes the longer isoform (B).</p>