

Product datasheet for SC314564

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

CDC42 binding protein kinase alpha (CDC42BPA) (AK098391) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: CDC42 binding protein kinase alpha (CDC42BPA) (AK098391) Human Untagged Clone

Tag: Tag Free

Symbol: CDC42 binding protein kinase alpha

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for AK098391, the custom clone sequence may differ by one or more

nucleotides

Restriction Sites: Please inquire

ACCN: AK098391

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

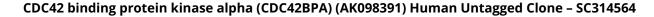
shipping when stored at -20°C.

RefSeg: AK098391.1

RefSeq Size: 2259 bp

RefSeq ORF: 2259 bp







Locus ID: 8476

Cytogenetics: 1q42.13

Domains: CNH, PH, DAG_PE-bind

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: 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]