

Recombinant Human CDC42BPA 293 Cell Lysate

Cat. No. CDC42BPA-7654HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for CDC42 binding protein kinase alpha (DMPK-like) (CDC42BPA), transcript variant A is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CDC42BPA CDC42 binding protein kinase alpha (DMPK-like) [Homo sapiens]

Official Symbol

CDC42BPA

Synonyms

CDC42BPA; CDC42 binding protein kinase alpha (DMPK-like); CDC42 binding protein kinase alpha (DMPK like); serine/threonine-protein kinase MRCK alpha; FLJ23347; KIAA0451; MRCK; MRCKA; myotonic dystrophy kinase related Cdc42 binding kinase; PK428; MRCK alpha; DMPK-like alpha; ser-thr protein kinase PK428; CDC42 binidng protein kinase beta; myotonic dystrophy protein kinase-like alpha; CDC42-binding protein kinase alpha (DMPK-like); myotonic dystrophy kinase-related CDC42-binding kinase alpha; myotonic dystrophy kinase-related CDC42-binding protein kinase alpha; ser-thr protein kinase related to the myotonic dystrophy protein kinase; DKFZp686L1738; DKFZp686P1738;

Gene ID

8476

mRNA Refseq

NM_003607

Protein Refseq

NP_003598

MIM

603412

UniProt ID

Q5VT25

Chromosome

1q42.11

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Location	
Pathway	CDC42 signaling events, organism-specific biosystem;
Function	ATP binding; identical protein binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;

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