Recombinant Human CDC42EP2 293 Cell Lysate

Cat. No. CDC42EP2-7653HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for CDC42 effector protein (Rho GTPase binding) 2 (CDC42EP2) 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	CDC42EP2 CDC42 effector protein (Rho GTPase binding) 2 [Homo sapiens]
Official Symbol	CDC42EP2
Synonyms	CDC42EP2; CDC42 effector protein (Rho GTPase binding) 2; cdc42 effector protein 2; BORG1; CEP2; CRIB containing BOGR1 protein; binder of Rho GTPases 1; CRIB-containing BOGR1 protein;
Gene ID	10435
mRNA Refseq	NM_006779
Protein Refseq	NP_006770
MIM	606132
UniProt ID	O14613
Chromosome Location	11q13
Function	GTP-Rho binding; Rho GTPase activator activity; opioid peptide activity; protein binding;

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