

Recombinant Human PPP3CC 293 Cell Lysate

Cat. No. PPP3CC-2913HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (PPP3CC) 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. |
| 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 |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [PPP3CC protein phosphatase 3, catalytic subunit, gamma isozyme \[Homo sapiens \]](#)

Official Symbol [PPP3CC](#)

Synonyms

PPP3CC; protein phosphatase 3, catalytic subunit, gamma isozyme; protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform , protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma); serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform; calcineurin A gamma; CALNA3; PP2Bgamma; protein phosphatase 2B; catalytic subunit; gamma isoform; CAM-PRP catalytic subunit; calcineurin, testis-specific catalytic subunit; calmodulin-dependent calcineurin A subunit gamma isoform; protein phosphatase 2B, catalytic subunit, gamma isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform; CNA3;

Gene ID [5533](#)

mRNA Refseq [NM_001243974](#)

Protein Refseq [NP_001230903](#)

MIM [114107](#)

UniProt ID [P48454](#)

Chromosome Location 8p21.3

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Pathway

Activation of BAD and translocation to mitochondria, organism-specific biosystem;
Activation of BH3-only proteins, organism-specific biosystem; Alzheimers disease,
organism-specific biosystem; Alzheimers disease, conserved biosystem;
Amphetamine addiction, organism-specific biosystem; Amphetamine addiction,
conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific
biosystem;

Function

calmodulin binding; hydrolase activity; metal ion binding; phosphoprotein
phosphatase activity;

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