

Recombinant Human PPP3CC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP3CC-5693H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP3CC MS Standard C13 and N15-labeled recombinant protein (NP_005596) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Calcineurin is a calcium-dependent, calmodulin-stimulated protein phosphatase involved in the downstream regulation of dopaminergic signal transduction. Calcineurin is composed of a regulatory subunit and a catalytic subunit. The protein encoded by this gene represents one of the regulatory subunits that has been found for calcineurin. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	58.1 kDa
AA Sequence	MSGRRFHLSTTDRVIKAVFPPTQRLTFKEVFENGKPKVDVLKNHLVKEGRLEEEVA LKIINDGAAILRQEKTMIIEVDAPITVCGDIHGQFFDLMKLFEVGGSPSNTRYLFLGDYV DRGYFSIECVLYLWSLKINHPKTLFLLRGNHECRHLTDYFTFKQECRIKYSEQVYDAC METFDCLPLAALLNQQLCVHGGMSPEITSLDDIRKLDRFTEPPAFGPVCDLLWSDP SEDYGNEKTLEHYTHNTVRGCSYFYSYPAVCEFLQNNNLLSIIRAHEAQDAGYRMY RKSQATGFPSLITIFSAPNYLDVYNNKAAVLKYENNVMNIRQFNCSPHPYWLPNFMFMD VFTWSLPFVGEKVTEMLVNVNLNICSDDDELISDDEAEGSTTVRKEIIRNKIRAIGKMARV

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FSILRQESESVLTLKGLTPTGTLPLGVLSGGKQTIETATVEAVEAREAIRGFSLQHKIR
SFEEARGLDRLINERMPPRKDSIHAGGPMKSVTSAHSHAAHRSDQGKKAHSTRTRPL
EQLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PPP3CC protein phosphatase 3 catalytic subunit gamma [Homo sapiens (human)]

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;

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Gene ID	5533
mRNA Refseq	NM_005605
Protein Refseq	NP_005596
MIM	114107
UniProt ID	P48454
SDS-PAGE	