

Recombinant Human PPP3CB Protein, His&GST-tagged

Cat. No. PPP3CB-1973H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP3CB Protein (Thr360-Gln524) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr360-Gln524
Description	Enables several functions, including calmodulin binding activity; calmodulin-dependent protein phosphatase activity; and protein phosphatase 2B binding activity. Involved in calcineurin-NFAT signaling cascade; positive regulation of transcription by RNA polymerase II; and protein dephosphorylation. Located in cytoplasm. Part of calcineurin complex. Implicated in aortic valve stenosis. Biomarker of focal segmental glomerulosclerosis and schizophrenia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48 kDa Accurate Molecular Mass: 48 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	PPP3CB protein phosphatase 3, catalytic subunit, beta isozyme [Homo sapiens (human)]
Official Symbol	PPP3CB
Synonyms	PPP3CB; protein phosphatase 3, catalytic subunit, beta isozyme; CALNB, protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform, protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta); serine/threonine-protein phosphatase 2B catalytic subunit beta isoform; calcineurin A beta; CALNA2; CNA2; PP2Bbeta; protein phosphatase 2B; catalytic subunit; beta isoform; calcineurin A2; CAM-PRP catalytic subunit; protein phosphatase from PCR fragment H32; calmodulin-dependent calcineurin A subunit beta isoform; protein phosphatase 2B, catalytic subunit, beta isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform; CALNB;
Gene ID	5532

mRNA Refseq	NM_001142353
Protein Refseq	NP_001135825
MIM	114106
UniProt ID	P16298

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