

## Datasheet for ABIN6699565

### PPP3CA Protein (GST tag)



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#### Overview

Quantity:	20 µg
Target:	PPP3CA
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP3CA protein is labelled with GST tag.
Application:	Western Blotting (WB)

#### Product Details

Purpose:	PP2B recombinant protein-GST fusion protein
Purification:	Recombinant full-length human PP2B was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Purity:	>85%

#### Target Details

Target:	PPP3CA
Alternative Name:	PPP3CA ( <a href="#">PPP3CA Products</a> )
Background:	Synonyms: PPP2B, PPP3CA, CALN, CCN1, CNA1, CALNA, CALNA1, Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform, CAM-PRP catalytic subunit, Calmodulin-dependent calcineurin A subunit alpha isoform

## Target Details

Background: PP2B is a key regulator of the anaphase-promoting factor which is an excellent substrate for protein phosphatase. PP2B is involved in bovine ocular tissues and is postulated to be involved in the immunologic privilege of the cornea, in retinal signal transduction, and in the toxic effects of immunosuppressants on the eye. PP2B acts as an inhibitory constraint on I-LTP that is relieved by PKA, and that this inhibitory constraint acts as a gate to regulate the synaptic induction of L-LTP (1). PP2B plays a role in the transition from short- to long-term memory and also regulates bone formation through an effect on osteoblast differentiation (2). PP2B Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cardiovascular Disease, Cell Cycle, ERK/MAPK Pathway, Metabolic Disorder, Phosphatases, and Ser/Thr Kinases research.

NCBI Accession: [NM\\_001130691](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Negative Regulation of Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Synaptic Membrane](#), [Skeletal Muscle Fiber Development](#), [Protein targeting to Nucleus](#), [VEGF Signaling](#), [BCR Signaling](#)

## Application Details

Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: PP2AB Protein is suitable for use in Western Blot. Expect a band approximately ~83 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: PP2B Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months