

Recombinant Human PPP2CA protein, GST-tagged

Cat. No. PPP2CA-27617TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP2CA(1 a.a. - 309 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-309 a.a.
Description	This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	62 kDa
AA Sequence	MDEKVFTKELDQWIEQLNECKQLSESQVKSLCEKAKEILTKESNVQEVRCPVTVCG DVHGQFHDLMELEFRIGGKSPDTNYLFMGDYVDRGYYSVETVTLVALKVRYRERITI LRGNHESRQITQVYGFYDECLRKYGNANVWKYFTDLFDYLPLTALVDGQIFCLHGGL SPSIDTLDHIRALDRLQVEPHEGPMCDLLWSDPDDRGGWGISPRGAGYTFGQDISE TFNHANGLTLVSRHQQLVMEGYNWCHDRNVVTIFSAPNYCYRCGNQAAIMELDDTL

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KYSFLQFDPAPRRGEPHVTRRTPDYFL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

PPP2CA protein phosphatase 2, catalytic subunit, alpha isozyme [Homo sapiens]

Official Symbol

PPP2CA

Synonyms

PPP2CA; protein phosphatase 2, catalytic subunit, alpha isozyme; protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform; serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform; PP2Calpha; protein phosphatase 2A catalytic subunit; alpha isoform; PP2A-alpha; replication protein C; protein phosphatase 2A catalytic subunit, alpha isoform; serine/threonine protein phosphatase 2A, catalytic subunit, alpha isoform; RP-C; PP2Ac; PP2CA;

Gene ID

5515

mRNA Refseq

NM_002715

Protein Refseq

NP_002706

MIM

176915

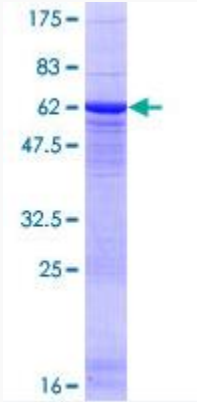
UniProt ID

P67775

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Chromosome Location	5q31.1
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem;
Function	hydrolase activity; metal ion binding; phosphoprotein phosphatase activity; protein C-terminus binding; protein binding; protein dimerization activity;
	

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