

PPM1A 抗原（重组蛋白）

中文名称： PPM1A 抗原（重组蛋白）

英文名称： PPM1A Antigen (Recombinant Protein)

别名： protein phosphatase, Mg²⁺/Mn²⁺ dependent 1A; PP2CA; PP2Calpha; PP2C-ALPHA

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 133-382 amino acids of human PPM1A

技术规格

Full name:	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1A
Synonyms:	PP2CA; PP2Calpha; PP2C-ALPHA
Swissprot:	P35813
Gene Accession:	BC026691
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase dephosphorylates, and negatively regulates the activities of, MAP kinases and MAP kinase kinases. It has been shown to inhibit the activation of p38 and JNK kinase cascades induced by environmental stresses. This phosphatase can also dephosphorylate

cyclin-dependent kinases, and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to activate the expression of the tumor suppressor gene TP53/p53, which leads to G2/M cell cycle arrest and apoptosis. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]