

protein-serine/threonine phosphatase

Cat. No. EXWM-3618

Lot. No. (See product label)

Introduction

Description

A group of enzymes removing the serine- or threonine-bound phosphate group from a wide range of phosphoproteins, including a number of enzymes that have been phosphorylated under the action of a kinase (cf. EC 3.1.3.48 protein-tyrosine-phosphatase). The spleen enzyme also acts on phenolic phosphates and phosphamides (cf. EC 3.9.1.1, phosphoamidase).

Synonyms

phosphoprotein phosphatase (ambiguous); protein phosphatase-1; protein phosphatase-2A; protein phosphatase-2B; protein phosphatase-2C; protein D phosphatase; phosphospectrin phosphatase; casein phosphatase; *Aspergillus awamori* acid protein phosphatase; calcineurin; phosphatase 2A; phosphatase 2B; phosphatase II; phosphatase IB; phosphatase C-II; polycation modulated (PCM-) phosphatase; phosphopyruvate dehydrogenase phosphatase; phosphatase SP; branched-chain α -keto acid dehydrogenase phosphatase; BCKDH phosphatase; 3-hydroxy 3-methylglutaryl coenzymeA reductase phosphatase; HMG-CoA reductase phosphatase; phosphatase H-II; phosphatase III; phosphatase I; protein phosphatase; phosphatase IV; phosphoprotein phosphohydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.1.3.16

CAS No.

9025-75-6

Reaction

[a protein]-serine/threonine phosphate + H₂O = [a protein]-serine/threonine + phosphate

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.