



Recombinant Mouse Pyridoxal phosphate phosphatase(Pd xp)

Product Code	CSB-EP017749MO
Relevance	Protein serine phosphatase that dephosphorylates 'Ser-3' in cofilin and probably also dephosphorylates phospho-serine residues in DSTN. Regulates cofilin-dependent actin cytoskeleton reorganization. Required for normal progress through mitosis and normal cytokinesis (By similarity). Does not dephosphorylate phospho-threonines in LIMK1. Does not dephosphorylate peptides containing phospho-tyrosine. Pyridoxal phosphate phosphatase. Has some activity towards pyridoxal 5'-phosphate (PLP), pyridoxine 5'-phosphate (PMP) and pyridoxine 5'-phosphate (PNP), with a highest activity with PLP followed by PNP.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P60487
Storage Buffer	Tris-based buffer,50% glycerol
Alias	PLP phosphatase Alternative name(s): Chronophin
Product Type	Recombinant Protein
Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MARCERLRGAALRDVLGQAQGVLFDCDGV LWNGERIVPGAPPELLQRLARAG KNTLFVSNNSRRARPELALRFARLGFA GLRAEQLFSSALCAARLLRQRLSGPP DASGAVFVLGGEGLR AELRAAGLRLAGDPGEDPRVRAVLVGYDEQFSFSRLT EACAHLRDPDCLLVATDRDPWHPLSDGSRTPGTGS LAAAVETASGRQALVVG KPSPYMFQCITEDFSVDPARTLMVGDRL ETDILFGHRCGMMTTVLTLTGVSSLE EAQAYLTAGQRDLVPHYVYESIADLM EGLED
Research Area	Signal Transduction
Source	E.coli
Gene Names	Pd xp
Protein Names	Recommended name: Pyridoxal phosphate phosphatase Short name= PLP phosphatase EC= 3.1.3.3 EC= 3.1.3.74 Alternative name(s): Chronophin
Expression Region	1-292aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	47.5kDa

