

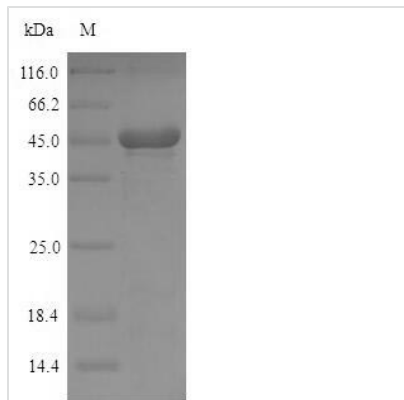


Recombinant Mouse Pyridoxal phosphate phosphatase (Pdxp)

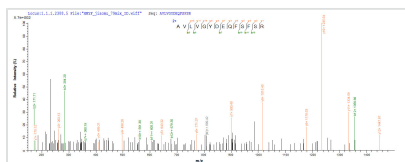
Product Code	CSB-EP017749MO
Relevance	Protein serine phosphatase that dephosphorylates 'Ser-3' in cofilin and probably also dephosphorylates phospho-serine residues in DSTN. Regulates cofilin-dependent actin cytoskeleton reorganization. Required for normal progress through mitosis and normal cytokinesis (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.
Abbreviation	Recombinant Mouse Pdxp protein
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
Alias	PLP phosphatase Alternative name(s): Chronophin
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MARCERLRGAALRDVLGQAQGVLFDCDGVWNGERIVPGAPPELLQRLARAG KNTLFVSNNSRRARPELALRFARLGFAGLRAEQLFSSALCAARLLRQRLSGPP DASGAVFVLGGEGLRaelRAAGLRLAGDPGEDPRVRAVLVGYDEQFSFSRLT EACAHLRDPDCLLVATDRDPWHPLSDGSRTPGTGSLAAAVETASGRQALVVG KPSPYMFQCITEDFSVDPARTLMVGDRLLETDLIFGHRCGMTTVLTLTGVSLE EAQAYLTAGQRDLVPHYVYESIADLMEGLED
Research Area	Signal Transduction
Source	E.coli
Target Names	Pdxp
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


Protein Length

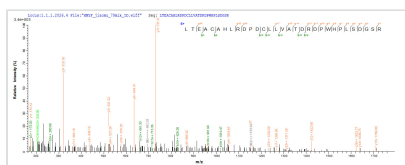
Full Length

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP017749MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Pdxp.



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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.