

Recombinant Mouse PDXP Protein (1-292 aa), His-tagged

Cat. No. PDXP-2491M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PDXP Protein (1-292 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-292 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	33.5 kDa
AA Sequence	MARCERLRGAALRDVLGQAQGVLFDCDGVWNGERIVPGAPELLQRLARAGKNTL FVSNNSRRARPELALRFARLGFAGLRAEQLFSSALCAARLLRQRLSGPPDASGAVF

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VLGGEGLRAELRAAGRLAGDPGEDPRVRAVLVGYDEQFSFSRLTEACAHLRDPDC
LLVATDRDPWHPLSDGSRTPGTGS�AAVETASGRQALVVGKPSPYMFQCITEDFS
VDPARTLMVGDRLETDILFGHRCGMMTVLTLTGVSSEEAQAYLTAGQRDLVPHYV
ESIADLMEGLED

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name Pdxp pyridoxal (pyridoxine, vitamin B6) phosphatase [*Mus musculus*]

Official Symbol PDXP

Synonyms PDXP; chronophin; chronophilin; PLP phosphatase; PLP-phosphatase; PLPP; AB041662; 1600027H05Rik;

Gene ID 57028

mRNA Refseq NM_020271

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Protein Refseq NP_064667

UniProt ID P60487



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

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