

Recombinant Human Pyridoxal phosphate phosphatase(PDXP),partial

Catalog No: #AP74732

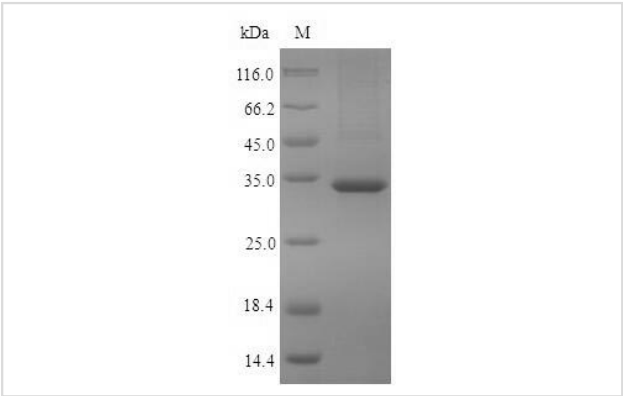
Package Size: #AP74732-1 20ug #AP74732-2 100ug #AP74732-3 1mg

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Description

Product Name	Recombinant Human Pyridoxal phosphate phosphatase(PDXP),partial
Brief Description	Recombinant Protein
Host Species	Baculovirus
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-296aaSequence Info:Full Length
Other Names	PLP phosphatase Alternative name(s): Chronophin
Accession No.	Q96GD0
Uniprot	Q96GD0
GeneID	57026;
Calculated MW	33.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MARCERLRGAALRDVLGRAQGVLFDCDGVWNGERAVPGAPELLERLARAGKAALFVSNNRRARPELALR FARLGFGLRAEQLFSSALCAARLLRQRLPGPPDAPGAVFVLGGEGRLRAELRAAGRLAGDPSAGDGAAPRV RAVLVGYYDEHFSFAKLREACAHLRDPECLLVATDRDPWHPLSDGSRPTGTSLAAAVETASGRQALVVGKPS PYMFECITENFSIDPARTLMVGDRLTDILFGHRCGMTTVLTLTGVSRLAAQAYLAAGQHDLVPHYVYESIAD LTEGLED
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



## Background

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. 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.<sup>2</sup> Publications.

## References

"The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)." The MGC Project Team Genome Res. 14:2121-2127(2004). Research Topic: Signal Transduction

Note: This product is for in vitro research use only