

Datasheet for ABIN7550786
PDXP Protein (AA 1-296) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PDXP
Protein Characteristics:	AA 1-296
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDXP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDXP Protein expressed in mammalien cells.
Sequence:	MARCERLRGA ALRDVLGRAQ GVLFD CDGVL WNGERAVPGA PELLERLARA GKAALFVSNN SRRARPELAL RFARLFGGGL RAEQLFSSAL CAARLLRQRL PGPPDAPGAV FVLGG EGLRA ELRAAGLRLA GDPSAGDGAA PRVRAVLVGY DEHFSFAKLR EACAHLRDPE CLLVATDRDP WHPLSDGSRT PGTGSLAAAV ETASGRQALV VGKPSPYMFE CITENFSIDP ARTLMVGDRL ETDILFGHRC GMTTVLTLTG VSRLEEAQAY LAAGQHDLPV HYYVESIADL TEGLED Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: PDXP

Alternative Name: PDXP ([PDXP Products](#))

Background: Chronophin (EC 3.1.3.16) (EC 3.1.3.74) (Pyridoxal phosphate phosphatase) (PLP phosphatase),FUNCTION: Functions as a pyridoxal phosphate (PLP) phosphatase, which also catalyzes the dephosphorylation of pyridoxine 5'-phosphate (PNP) and pyridoxamine 5'-phosphate (PMP), with order of substrate preference PLP > PNP > PMP and therefore plays a role in vitamin B6 metabolism (PubMed:14522954, PubMed:8132548). Also functions as a protein serine phosphatase that specifically dephosphorylates 'Ser-3' in proteins of the actin-depolymerizing factor (ADF)/cofilin family like CFL1 and DSTN. Thereby, regulates cofilin-dependent actin cytoskeleton reorganization, being required for normal progress through mitosis and normal cytokinesis. Does not dephosphorylate phosphothreonines in LIMK1. Does not dephosphorylate peptides containing phosphotyrosine (PubMed:15580268). {ECO:0000269|PubMed:14522954, ECO:0000269|PubMed:15580268, ECO:0000269|PubMed:8132548}.

Molecular Weight: 31.7 kDa

UniProt: [Q96GD0](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
