abcam

Product datasheet

Recombinant Human PP-X protein (denatured) ab171584

1 Image

Description

Product name	Recombinant Human PP-X protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P60510
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV EESNVQRVDS PVTVCGDIHG QFYDLKELFR VGGDVPETNY LFMGDFVDRG FYSVETFLLL LALKVRYPDR ITLIRGNHES RQITQVYGFY DECLRKYGSV TVWRYCTEIF DYLSLSAIID GKIFCVHGGL SPSIQTLDQI RTIDRKQEVP HDGPMCDLLW SDPEDTTGWG VSPRGAGYLF GSDVVAQFNA ANDIDMICRA HQLVMEGYKW HFNETVLTVW SAPNYCYRCG NVAAILELDE HLQKDFIIFE AAPQETRGIP SKKPVADYFL
Predicted molecular weight	38 kDa including tags
Amino acids	1 to 307
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab171584** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function

Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, DNA repair, tumor necrosis factor (TNF)-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity). In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.

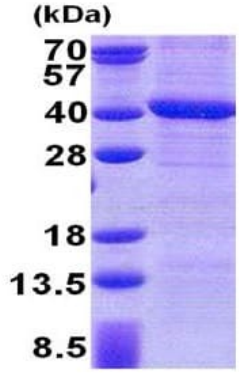
Sequence similarities

Belongs to the PPP phosphatase family. PP-4 (PP-X) subfamily.

Cellular localization

Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

Images



SDS-PAGE - Recombinant Human PP-X protein (denatured) (ab171584)

15% SDS-PAGE analysis of ab171584 at 3ug.

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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