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# **Recombinant human PINX1 protein**

Catalog Number: ATGP0310

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-328aa

#### UniProt No.

O96BK5

#### **NCBI Accession No.**

NP 060354

#### **Alternative Names**

PIN2-interacting protein 1, PIN2-interacting protein 1, TRF1-interacting protein 1, Liver-related putative tumor suppressor, Protein 67-11-3, LPTL, LPTS, PINX1, PIN2-interacting protein 1 67-11-3 protein PIN2 interacting protein 1, Hepatocellular carcinoma-related putative tumor suppressor,

#### **PRODUCT SPECIFICATION**

## **Molecular Weight**

39.1 kDa (348aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing, 1mM DTT, 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

# **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

## **Description**

PINX1 (PIN2-interacting protein 1) is a ubiquitously expressed protein that localizes to nucleoli and telomere speckles. This protein contains a TID (telomerase inhibiting domain) domain which is capable of binding MCRS1,



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TERT and TERF1. PINX1 has been shown to be a potent telomerase inhibitor and putative tumor suppressor. Recombinant human PINX1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## **Amino acid Sequence**

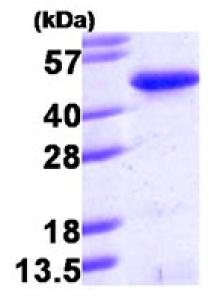
MGSSHHHHHH SSGLVPRGSH MSMLAERRRK QKWAVDPQNT AWSNDDSKFG QRMLEKMGWS KGKGLGAQEH GATDHIKVQV KNNHLGLGAT INNEDNWIAH QDDFNQLLAE LNTCHGQETT DSSDKKEKKS FSLEEKSKIS KNRVHYMKFT KGKDLSSRSK TDLDCIFGKR QSKKTPEGDA SPSTPEENET TTTSAFTIQE YFAKRMAALK NKPQVPVPGS DISETQVERK RGKKINKEAT GKDVESYLQP KAKRHTEGKP ERAEAQERVA KKKSAPAEEQ LRGPCWDQSS KASAQDAGDH VQPPEGRDFT LKPKKRRGKK KLQKPVEIAE DATLEETLVK KKKKKDSK

#### **General References**

Zhou XZ., et al. (2001). Cell. 107(3):347-59 Yoo JE., et al. (2009). J Mol Biol. 388(5):928-40

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

