Recombinant human PINX1 protein

Catalog Number: ATGP0310

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-328aa

UniProt No.
Q96BK5

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

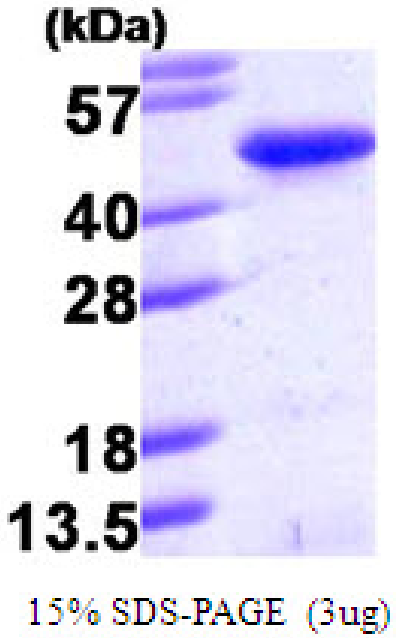
MGSSHHHHHH SSGLVPRGSH MSMLAERRRK QKWAVDPQNT AWSNDDSKFG QRMLEKMGWS KGKGLGAQEH GATDHIKVQV KNNHLGLGAT INNEDNWIAH QDDFNQLLAE LNTCHGQETT DSSDKKEKKS FSLEEKSKIS KNRVHYMKFT KGKDLSSRSK TDLDCIFGKR QSKKTPEGDA SPSTPEENET TTTSAFTIQE YFAKRMAALK NKPQVPVPGS DISETQVERK RGKKINKEAT GKDVESYLQP KAKRHTEGKP ERAEAQERVA KKKSAPAEEQ 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.