9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PINX1 Human

PIN2-Interacting Protein 1 Human Recombinant
RCP1657

Product Overview

Name	PINX1 Human
Description	
PIN2-Interacting Protein 1 Human Recombinant	
Accession (Primary)	Q96BK5
Synonyms	
PINX1, LPTL, LPTS, MGC8850, FLJ20565, Pin2-interacting protein X1, TRF1-interacting protein 1, Liver-related putative tumor suppressor, Protein 67-11-3.	
Introduction	
PINX1 is a common expressed protein that localizes to nucleoli and telomere speckles. PINX1 contains a Telomerase Inhibiting Domain that is caable of binding MCRS1, TERT and TERF1. PINX1 has been shown to be a potent telomerase inhibitor and putative tumor suppressor. PINX1 is recruited to chromosome periphery by Nucleolin, their complex is necessary for faithful chromosome congression. PINX1 regulates the nucleolar accumulation and telomeric association of TRF1. PINX1 is involved in gastric cancer development. PINX1 expression is a sign of gastric cancer development. Constitutive expression of PINX1 attributes to telomere maintenance by telomerase and tumorigenicity in cancer cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The PINX1 protein contains 20mM Tris-HCl buffer pH-8, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by analysis by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSMLAERRRK QKWAVDPQNT AWSNDDSKFG QRMLEKMGWS KGKGLGAQEH	

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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.

Precautions

PINX1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96BK5)