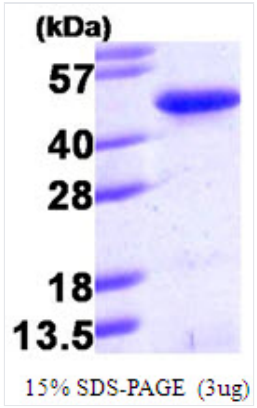
PINX1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	PINX1, Recombinant Protein
Full Product Name	PINX1, 1-328aa, Human, His tag, E Coli
Product Gene Name	PINX1 recombinant protein
Product Synonym 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
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
Host	E Coli
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing, 1mM DTT, 10% glycerol
Purity/Purification	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	39.1 kDa (348aa), confirmed by MALDI-TOF.
OMIM	AF205718 mRNA
3D Structure	ModBase 3D Structure for Q96BK5
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Product Categories/Family for PINX1 recombinant protein	Cancer
Applications Tested/Suitable for PINX1 recombinant protein	SDS-PAGE
Related Product Information for PINX1 recombinant protein	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, 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.
Product References and Citations for PINX1 recombinant protein	Zhou XZ., et al. (2001). Cell. 107 (3):347-59; Yoo JE., et al. (2009). J Mol Biol. 388 (5):928-40;
Other Notes	Small volumes of PINX1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PINX1 purchase	MBS203252 is a recombinant protein targeting PINX1. Also known as PINX1, 1-328aa, Human, His tag, E Coli. Host: E Coli.



SDS-Page of PINX1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PINX1. It may not necessarily be applicable to this product.

NCBI GI #	148747556
NCBI GeneID	54984
NCBI Accession #	NP_060354
UniProt Primary Accession #	Q96BK5
UniProt Secondary Accession #	Q548A5; Q6QWG9; Q7Z7J8; Q96QD7; Q9HBU7; Q9NWW2; B2R9B1
UniProt Related Accession #	Q96BK5
GenBank Nucleotide #	NP_060354.4
NCBI Official Full Name	PIN2/TERF1-interacting telomerase inhibitor 1 isoform 1
NCBI Official Synonym Full Names	PIN2/TERF1 interacting telomerase inhibitor 1
NCBI Official Symbol	PINX1
NCBI Official Synonym Symbols	Gno1; LPTL; LPTS; Pxr1
UniProt Protein Name	PIN2/TERF1-interacting telomerase inhibitor 1
UniProt Synonym Protein Names	Liver-related putative tumor suppressor; Pin2-interacting protein X1; Protein 67-11-3; TRF1-interacting protein 1
Protein Family	PIN2/TERF1-interacting telomerase inhibitor
UniProt Gene Name	PINX1
UniProt Synonym Gene Names	LPTL; LPTS
NCBI Protein Information	PIN2/TERF1-interacting telomerase inhibitor 1
UniProt Comments for PINX1	Microtubule-binding protein essential for faithful chromosome segregation. Mediates TRF1 and TERT accumulation in nucleolus and enhances TRF1 binding to telomeres. Inhibits telomerase activity. May inhibit cell proliferation and act as tumor suppressor.
Research Articles on PINX1	**1.** The cost-effective expression of PinX1 could constitute a novel molecular predictor/marker for NSCLC management.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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