

Recombinant Human PIN4, His-tagged

Cat. No. PIN4-30962TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PIN4, isoform 2 with N terminal His tag; 176 amino acids with tag, Predicted MWt 18.8 kDa.
Species	Human
Source	E.coli
ProteinLength	156 amino acids
Description	This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome biogenesis. The encoded protein may play an additional role in the mitochondria.
Conjugation	HIS
Molecular Weight	18.800kDa inclusive of tags
Tissue specificity	Isoform 2 is much more stable than isoform 1 (at protein level). Ubiquitous. Isoform 1 and isoform 2 are expressed in kidney, liver, blood vessel, brain, mammary gland, skeletal muscle, small intestine and submandibularis. Isoform 1 transcripts are much m
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, 0.1mM PMSF, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMPMAGLLKGLVRQLERFSVQQQASKMPPKGKSGS GKAGKGGGAASGSDSADKKAQGPKGGGNAVKVRHILCEKHGKIMEAMEKLKSGMRF NEVAAQYSEDKARQGGDLGWMTRGSMVGPFQEAAFALPVSGMDKPVFTDPPVKT KFGYHIIMVEGRK
Sequence Similarities	Belongs to the ppiC/parvulin rotamase family. PIN4 subfamily. Contains 1 PpiC domain.

GENE INFORMATION

Gene Name	PIN4 protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) [Homo sapiens]
Official Symbol	PIN4
Synonyms	PIN4; protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin); protein (peptidyl prolyl cis/trans isomerase) NIMA interacting, 4 (parvulin); peptidyl-prolyl cis-trans isomerase NIMA-interacting 4; EPVH; PAR14; PAR17;
Gene ID	5303
mRNA Refseq	NM_001170747

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Protein Refseq	NP_001164218
MIM	300252
Uniprot ID	Q9Y237
Chromosome Location	Xq13.1
Function	DNA binding; bent DNA binding; double-stranded DNA binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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