

Human recombinant protein PIN4
Human Recombinant PIN4
Catalog # PBV10623r**Specification**

Human recombinant protein PIN4 - Product info

Primary Accession	O9Y237
Concentration	1
Calculated MW	18.8 kDa (176 aa, 1-156 aa + NT His Tag) KDa

Human recombinant protein PIN4 - Additional Info

Gene ID	5303
Gene Symbol	PIN4
Other Names	
Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 isoform 2, Parvulin-14, Parvulin-17, PPIase Pin4, hEPVH, PAR14, PAR17	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>300 nmoles/min/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MPMAGLLKGL VRQLERFSVQ QQASKMPPKG KSGSGKAGKG GAASGSDSAD KKAQGPKGGG NAVKVRHILC EKHGKIMEAM EKLKSGMRFN EVAAQYSEDK ARQGGDLGWM TRGSMVGPFQ EAAFALPVSG MDKPVFTDPP VKTKFGYHII MVEGRK

Format
Liquid**Storage**

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 mM PMSF, 1 mM DTT and 10% glycerol.

Human recombinant protein PIN4 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PIN4 - Images

Human recombinant protein PIN4 - Background

Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 (PIN4) is a peptidyl-prolyl cis/trans isomerase (PPIase) which interacts with NIMA and is vital for cell cycle regulation. PIN4 has 2 different isoforms: PAR14 and PAR17. Furthermore, Pin4 protein binds to double-stranded DNA under physiological salt conditions.

Human recombinant protein PIN4 - References

Rulten S.L.,et al.Biochem. Biophys. Res. Commun. 259:557-562(1999).
Uchida T.,et al.FEBS Lett. 446:278-282(1999).
Ross M.T.,et al.Nature 434:325-337(2005).
Mueller J.W.,et al.BMC Mol. Biol. 7:9-9(2006).
Kessler D.,et al.BMC Biol. 5:37-37(2007).