

PIN4, 1-156aa, Human, His tag, E.coli

Cat.NO.: TP03411

3th Edition

Synonyms:Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 isoform 2, Parvulin-14, Parvulin-17, PPIase Pin4, hEPVH, PAR14, PAR17.

Description:PIN4, also known as Peptidyl cis-trans isomerase NIMA-interacting 4, is peptidyl prolyl cis/trans isomerase (PPIase) that interacts with NIMA and is essential for cell cycle regulation. There are two different isoforms which are PAR14 and PAR17. PIN4/PAR17 was imported into mitochondria in a time and membrane potential dependent manner, where it reached the mitochondrial matrix.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 0.1mM PMSF.

Molecular Weight:18.8 kDa (176aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMPMAGLLKGLVRQLERFSVQQQASKMPPKKGKSGSGKAGKGGGAASGSDSADKK
AQGPKGGGNAVKVRHILCEKHGKIMEAMEKLGSGMRFNEVAAQYSEDKARQGGDLGWMTRGSMVGPFPQEAFA
LPVSGMDKPVFTDPPVKTKFGYHIIMVEGRKtmp/IBATGP0999

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.