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Pin 1(Peptidyl-prolyl cis/trans isomerase) Human, Recombinant, E.coli

产品货号: TP03409

第三版

**别名:**Protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1, NIMA-interacting protein 1, DOD, UBL5, Rotamase Pin1, PPlase Pin1.

**描述:**Human Pin 1 is a peptidyl-prolyl cis/trans isomerase (PPlase) that interacts with NIMA and essential for cell cycle regulation. Pin1 is nuclear PPlase containing a WW protein interaction domain, and is structurally and functionally related to Ess1/Ptf1, an essential protein in budding yeast. PPlase activity is necessary for Ess1/Pin1 function in yeast. Pin1 is thus an essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Substrates of Pin1 include the mitotic regulators (Cdc25 phosphatase and NIMA, PLK I, Wee, and Myt1 kinases), several transcription factors like  $\beta$ -Catenin, c-Jun, and the tumor suppressor protein p53, and some specific proteins like the RNA Pol II, the cytoskeleton protein tau, and the G1/S protein Cyclin D1.

**配方:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl, 5 mM DTT, 20% glycerol.

**分子量:**18.2 kDa (163aa), confirmed by MALDI-TOF

**序列:**

MADEEKLP PGWEK RMSRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPARVRC SHLLVKHSQSRRPSSWRQEKITR  
TKEEALELINGYIQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSRGQM QKPFEDASFALRTGEMSGPVFTDSGIHIILRTE

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 °C 保存 (1-2 周). 长期保存在-20 °C 或者-70 °C. 避免反复冻融.