Datasheet for ABIN666676

PIN1 Protein

1 Image

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Overview

Quantity:	100 µg
Target:	PIN1
Origin:	Human
Source:	Escherichia coli (E. coli)
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	Pin 1(Peptidyl-prolyl cis/trans isomerase) Human, Recombinant, E.coli
Purity:	95 % by SDS - PAGE

Target Details

Target:	PIN1
Abstract:	PIN1 Products
Background:	Human Pin 1 is a peptidyl-prolyl cis/trans isomerase (PPIase) that interacts with NIMA and essential for cell cycle regulation Pin1 is nuclear PPIase containing a WW protein interaction domain, and is structurally and functionally related to Ess1/Ptf1, an essential protein in budding yeast. PPIase activity is necessary for Ess1/Pin1 function in yeast. Pin1 is thus an essential PPIase 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. Synonyms: PIN1, Peptidyl-prolyl cis-

Target Details

	trans isomerase NIMA-interacting 1, EC 5.2.1.8, Rotamase Pin1, PPIase Pin1, DOD, UBL5, PIN1, PPIase, EC 5.2.1.8, Rotamase Pin1, PPIase Pin1, Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1. NCBI no.: NP_006212
Molecular Weight:	18.2 kDa (163 aa), confirmed by MALDI-TOF.

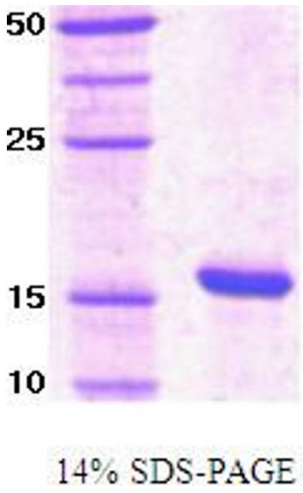
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer(pH7.5) 0.1M NaCl, 5mM DTT, 20%Glycerol.
Storage:	4 °C

Images



SDS-PAGE

Image 1.