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## Datasheet for ABIN6388010 PIN1 Protein (AA 1-165) (His tag)

Image



## Overview

Quantity:	100 µg
Target:	PIN1
Protein Characteristics:	AA 1-165
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PIN1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)
Product Details	
Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMADEEKL PPGWEKRMSR SSGRVYYFNH ITNASQWERP
	SGGSTVGGSS KNGQGEPAKV RCSHLLVKHS QSRRPSSWRQ EKITRSKEEA LELINGYIQK
	IKSGEEDFES LASQFSDCSS AKARGDLGPF SRGQMQKPFE DASFALRTGE MSGPVFTDSG
	IHIILRTE
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 1,200 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.

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## Target Details

Target:	PIN1
Alternative Name:	Pin1 (PIN1 Products)
Background:	Pin1, also known as peptidyl-prolyl cis-trans isomerase NIMA-interacting1, is nuclear PPlase containing a WW protein interaction domain, and is structurally and functionally related to Ess1/Ptf1, an essential protein in budding 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. Recombinant mouse PIN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Molecular Weight:	20.8 kDa (188aa) Confirmed by MALDI-TOF
NCBI Accession:	NP_075860
UniProt:	Q9QUR7
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only
Handling	
Format:	Liquid

	•
Concentration:	1 mg/mL
Buffer:	Liquid. In Phosphate buffered saline ( pH 7.4) containing 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

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15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.

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