

Bioactive

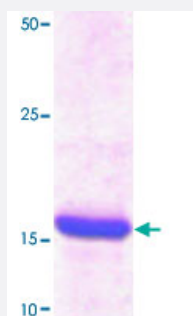
Full-Length

PIN1 (Human) Recombinant Protein

Catalog # P3447

Size 100 ug

Applications



Specification

Product Description	Human PIN1 (NP_006212, 1 a.a. - 163 a.a.) full-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MADEEKLP PGWEKRMSRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPARVRCSHLLV KHSQSRPSSWRQEKITRTKEEALELINGYQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSR GQM QKPFEDASFALRTGEMSGPVFTDSGIHIL RTE
Host	Escherichia coli
Theoretical MW (kDa)	18.2
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Activity	Specific activity is > 330 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umol e of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.
Quality Control Testing	Loading 3 ug protein in 14% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 7.5 (5 mM DTT, 20% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — PIN1

Entrez GeneID	5300
Protein Accession#	NP_006212
Gene Name	PIN1
Gene Alias	DOD, UBL5
Gene Description	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
Omim ID	601052
Gene Ontology	Hyperlink
Gene Summary	The human PIN1 gene encodes an essential nuclear peptidylprolyl cis-trans isomerase (PPlase; EC 5.2.1.8) involved in regulation of mitosis. PIN1 belongs to a class of PPlases that includes the E. coli parvulin, yeast Ess1, and Drosophila dodo (dod) gene products (Lu et al., 1996 [PubMed 8 606777]).[supplied by OMIM]
Other Designations	peptidyl-prolyl cis/trans isomerase, NIMA-interacting prolyl isomerase protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 protein (peptidylprolyl cis/trans isomerase) NIMA-interacting 1

Disease

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