Recombinant Human PIN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIN1-6628H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PIN1 MS Standard C13 and N15-labeled recombinant protein (NP_006212) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Peptidyl-prolyl cis/trans isomerases (PPIases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPIases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPIase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.
Molecular Mass	18.2 kDa
AA Sequence	MADEEKLPPGWEKRMSRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPAR VRCSHLLVKHSQSRRPSSWRQEKITRTKEEALELINGYIQKIKSGEEDFESLASQFSD CSSAKARGDLGAFSRGQMQKPFEDASFALRTGEMSGPVFTDSGIHIILRTETRTRPL

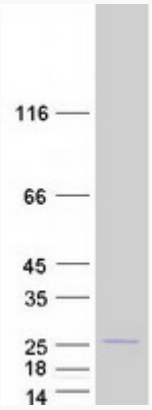
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	EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PIN1 peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Homo sapiens (human)]
Official Symbol	PIN1
Synonyms	PIN1; peptidylprolyl cis/trans isomerase, NIMA-interacting 1; protein (peptidyl prolyl cis/trans isomerase) NIMA interacting 1; peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; dod; PPIase Pin1; rotamase Pin1; protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1; DOD; UBL5; FLJ40239; FLJ77628; MGC10717;
Gene ID	5300
mRNA Refseq	NM_006221
Protein Refseq	NP_006212
MIM	601052

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UniProt ID	Q13526
SDS-PAGE	

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