

Recombinant Full Length Human PIN1 Protein, C-Flag-tagged

Cat. No. PIN1-1058HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PIN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	18.1 kDa
AA Sequence	MADEEKLPPGW EKRM SRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPAR VRCSHLLVKHSQSRRP SSWRQEKITRTKEEALINGYIQKIKSGEEDFESLASQFS DCSSAKARGDLGAFSRGQM QKPFEDASFA

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	LRTGEMSGPVFTDSGIHIILRTETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	RIG-I-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	PIN1 peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Homo sapiens (human)]
Official Symbol	PIN1
Synonyms	DOD; UBL5
Gene ID	5300
mRNA Refseq	NM_006221.4

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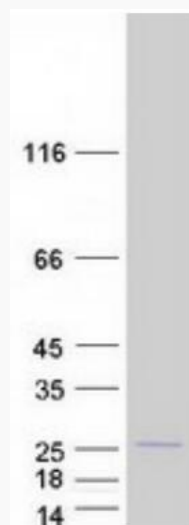
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Protein Refseq [NP_006212.1](#)

MIM [601052](#)

UniProt ID [Q13526](#)



Coomassie blue staining of purified PIN1 protein.

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