

## Product datasheet for **TP302543**

### **PIN1 (NM\_006221) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidylprolyl cis/trans isomerase, NIMA-interacting 1 (PIN1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202543 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MADEEKLPPGWEEKRMSRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPARVRCSHLLVKHSQSRRP SSWRQEKITRTKEEALELINGYIQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSRGQMOKPFEDASFA LRTGEMSGPVFTDSGIHILRTE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	18.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_006212</a></u>
Locus ID:	5300
UniProt ID:	<u><a href="#">Q13526</a></u>



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RefSeq Size: 1138

Cytogenetics: 19p13.2

RefSeq ORF: 489

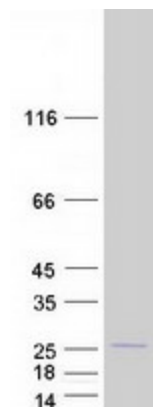
Synonyms: DOD; UBL5

**Summary:** 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.[provided by RefSeq, Jun 2011]

**Protein Families:** Druggable Genome

**Protein Pathways:** RIG-I-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified PIN1 protein (Cat# TP302543). The protein was produced from HEK293T cells transfected with PIN1 cDNA clone (Cat# [RC202543]) using MegaTran 2.0 (Cat# [TT210002]).