

Product datasheet for **TP302543L**

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), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC202543 protein sequence Red =Cloning site Green =Tags(s) |

MADEEKLPPGWEEKRMSRSSGRVYFNHITNASQWERPSGNSSSGGKNGQGEPARVRCSHLLVKHSQSRRP
SSWRQEKITRTKEEALELINGYIQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSRGQMOKPFEDASFA
LRTGEMSGPVFTDSGIHILRTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| 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>NP_006212</u> |
| Locus ID: | 5300 |
| UniProt ID: | <u>Q13526</u> |



[View online »](#)

RefSeq Size: 1138

Cytogenetics: 19p13.2

RefSeq ORF: 489

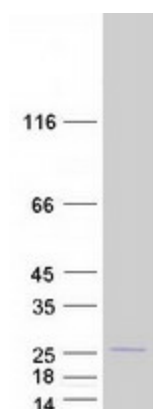
Synonyms: DOD; UBL5

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]).