

Product datasheet for PH302543

PIN1 (NM_006221) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIN1 MS Standard C13 and N15-labeled recombinant protein (NP_006212)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202543
Predicted MW:	18.2 kDa
Protein Sequence:	>RC202543 protein sequence Red =Cloning site Green =Tags(s) MADEEKLPPGWKRMRSRSGRVYFNFHITNASQWERPSGNSSGGKNGQGEPARVRCSHLLVKHSQSRRP SSWRQEKITRTKEEALILINGYIQIKISGEEDFESLASQFSDCSSAKARGDLGAFSRGQMOKPFEDASFA LRTGEMSGPVFTDSGIHILRTE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006212
RefSeq Size:	1138
RefSeq ORF:	489
Synonyms:	DOD; UBL5
Locus ID:	5300
UniProt ID:	Q13526



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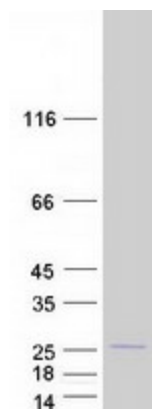
Cytogenetics: 19p13.2

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]).