

## Product datasheet for PH318843

### NIPP1 (PPP1R8) (NM\_014110) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPP1R8 MS Standard C13 and N15-labeled recombinant protein (NP_054829)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218843
Predicted MW:	38.5 kDa
Protein Sequence:	>RC218843 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAAAANSGSSLPLFDCPTWAGKPPPGLHLDVVKGDKLIIEKLIIDEKYYLFGRNPDLCDFTIDHQSCSRV          HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKQQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGD          EKMGGEDELKGLLGLPEEETELDNLTEFITAHNKRISTLTIEEGNLDIQRPKRKRKNSRVTFSEDEII          NPEDVDPSVGRFRNMVQTAVVPVKKRVEGPGSLGLEESGSRMQNFASFSGGLYGGLPPTHSEAGSQPHG          IHGTALIGGLPMPYPNLAPDVDLTPVVPSAVNMNPAPNPVAVNPEAVNEPKKKKYAKEAWPGKKPTPSLL          I</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_054829</a>
RefSeq Size:	2377
RefSeq ORF:	1053
Synonyms:	ARD-1; ARD1; NIPP-1; NIPP1; PRO2047
Locus ID:	5511



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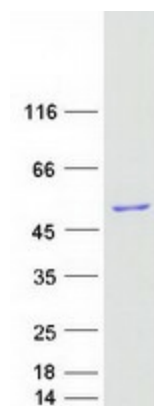
UniProt ID: [Q12972](#)

Cytogenetics: 1p35.3

**Summary:** This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of *E. coli*. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified PPP1R8 protein (Cat# [TP318843]). The protein was produced from HEK293T cells transfected with PPP1R8 cDNA clone (Cat# [RC218843]) using MegaTran 2.0 (Cat# [TT210002]).