

## Product datasheet for **TP318843M**

### **NIPP1 (PPP1R8) (NM\_014110) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC218843 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAAAANS <del>GS</del> SLPLFDCPTWAGKPPPGLHLDVVKGDKLEKLIIDEKKYYLFGRNPDLCDFTIDHQSCSRV HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPPQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGD EKMGGEDDELKLLGLPEEETELDNLTEFITAHNKRISTLTIEEGNLDIQRPKRKRKNSRVTFSEDDI NPEDVDPSVGRFRNMVQTAVVPVKKRVEGPGSLGLEESGSRRMQNFASFSGGLYGLPPTHSEAGSQPHG IHGTALIGGLPMPYPNLAPDVDLTPVVP <del>SAVN</del> MNPAPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLL I  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	38.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_054829</a></u>



[View online »](#)

Locus ID: 5511

UniProt ID: [Q12972](#)

RefSeq Size: 2377

Cytogenetics: 1p35.3

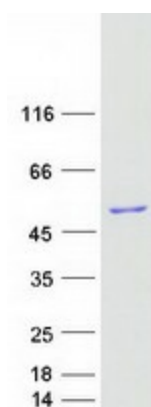
RefSeq ORF: 1053

Synonyms: ARD-1; ARD1; NIPP-1; NIPP1; PRO2047

**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]).