

#### OriGene Technologies, Inc.

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# Product datasheet for TP310575L

#### NIPP1 (PPP1R8) (NM\_138558) Human Recombinant Protein

### **Product data:**

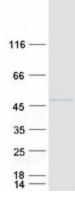
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210575 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MAAAANSGSSLPLFDCPTWAGKPPPGLHLDVVKGDKLIEKLIIDEKKYYLFGRNPDLCDFTIDHQSCSRV HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPQQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGD EKMGGEDDELKGLLGLPEEETELDNLTEFITAHNKRISTLTIEEGNLDIQRPKRKRKNSRVTFSEDDEII NPEDVDPSVGRFRNMVQTAVVPVKKKRVEGPGSLGLEESGSRRMQNFAFSGGLYGGLPPTHSEAGSQPHG IHGTALIGGLPMPYPNLAPDVDLTPVVPSAVNMNPAPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLL I
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	22.5 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 612568</u>



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	NIPP1 (PPP1R8) (NM_138558) Human Recombinant Protein – TP310575L
Locus ID:	5511
UniProt ID:	<u>Q12972</u>
RefSeq Size:	2659
Cytogenetics:	1p35.3
RefSeq ORF:	1056
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# [TP310575]). The protein was produced from HEK293T cells transfected with PPP1R8 cDNA clone (Cat# [RC210575]) using MegaTran 2.0 (Cat# [TT210002]).

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