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Product datasheet for TP318843

NIPP1 (PPP1R8) (NM_014110) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218843 protein sequence Red=Cloning site Green=Tags(s) MAAAANSGSSLPLFDCPTWAGKPPPGLHLDVVKGDKLIEKLIIDEKKYYLFGRNPDLCDFTIDHQSCSRV HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPQQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGD EKMGGEDDELKGLLGLPEEETELDNLTEFITAHNKRISTLTIEEGNLDIQRPKRKRKNSRVTFSEDDEII NPEDVDPSVGRFRNMVQTAVVPVKKKRVEGPGSLGLEESGSRRMQNFAFSGGLYGGLPPTHSEAGSQPHG IHGTALIGGLPMPYPNLAPDVDLTPVVPSAVNMNPAPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLL I TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	38.3 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:	NP_054829

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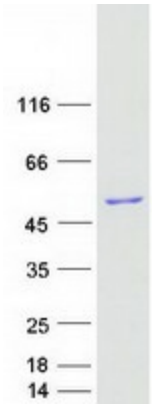
Locus ID:	5511
UniProt ID:	Q12972
RefSeq Size:	2377
Cytogenetics:	1p35.3
RefSeq ORF:	1053
Synonyms:	ARD-1; ARD1; NIPP-1; NIPP1; PRO2047
Summary:	This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 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]).