

Product datasheet for TP310575

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, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC210575 protein sequence
Red=Cloning site Green=Tags(s)

MAAAANSGSSLPLFDCPTWAGKPPPGLHLDVVKGDKLEKLIIDEKKYYLFGRNPDLCDFTIDHQSCSRV
HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPPQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGD
EKMGGEDDELKGLLGLPEEETELDNLTEFITAHNKRISTLTIEEGNLDIQRPKRKRKNSRVTFSEDDI
NPEDVDPSVGRFRNMVQTAVVPVKKRVEGPGSLGLEESGSRMQNFASFSGGLYGLPPTHSEAGSQPHG
IHGTALIGGLPMPYPNLAPDVDLTPVVPASVNMNPNPAPVYNPEAVNEPKKKKYAKEAWPGKKPTPSLL
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: [NP_612568](#)



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Locus ID: 5511
UniProt ID: [Q12972](#)
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]).