

Product datasheet for **AR50527PU-S**

NIPP-1 (1-351, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	NIPP-1 (1-351, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAAAANS ^{GSS} LPLFDCPTWA GKPPPGLHLD VVKGDKLIEK LIIDEKKYYL FGRNPDLCDF TIDHQSCSRV HAALVYHKHL KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE TELDNLTEFN TAHNKRISTL TIEEGNLDIQ RPKRKRKNSR VTFSEDD ^{EII} NPEDVDPSVG RFRNMVQTAV VPVKKRVEG PGSGLGLEESG SRRMQNFAFS GGLYGGLPPT HSEAGSQPHG IHGTALIGGL PMPYPNLAPD VDLTPVWPSA VNMNPAPNPA VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL IVEHHHHHH
Tag:	His-tag
Predicted MW:	39.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PPP1R8 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002704
Locus ID:	5511
UniProt ID:	Q12972 , Q6ICT4
Cytogenetics:	1p35.3
Synonyms:	ARD-1; ARD1; NIPP-1; NIPP1; PRO2047



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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: