

AR50527PU-S

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

Alternate names:

ARD1, NIPP1, Nuclear inhibitor of protein phosphatase 1, PPP1R8

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

PPP1R8, also as known as NIPP-1, is the RNA-binding subunit of a major species of protein phosphatase-1 in the nucleus. This enzyme is inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates.

Uniprot ID:

[Q12972](#)

NCBI:

[NP_054829](#)

GeneID:

[5511](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Description:

Recombinant human PPP1R8 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MAAAANS GSS LPLFDCPTWA GKPPPGHLHD VVKGD KLIEK LIIDEKKYYL FGRNPDLCDF
TIDHQSCSRV HAALVYHKHL KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS
TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE TELDNLTEFN TAHNKRISTL
TIEEGNLDIQ RPKRKRKNSR VTFSEDEII NPEDVDPSVG RFRNMVQTAV VPKKKRVEG
PGSLGLEESG SRRMQNFAFS GGLYGGLPPT HSEAGSQPHG IHGTALIGGL PMPYPNLAPD
VDLTPVVPSA VNMNPAPNPA VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL IVEHHHHHH

Molecular weight: 39.5 kDa (359aa), confirmed by MALDI-TOF

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.
Shelf life: one year from despatch.

General Readings:

Jin Q., et al. (1999) Biochem. J. 342:13-19
Beullens M., et al. (2000) Biochem. J. 352:651-658

Pictures:

