

Recombinant human NIPP1/PPP1R8 protein

Catalog Number: ATGP1703

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-351aa

UniProt No.

Q12972

NCBI Accession No.

NP_054829.2

Alternative Names

Nuclear inhibitor of protein phosphatase 1, ARD-1, ARD1, NIPP-1, NIPP1, PRO2047

PRODUCT SPECIFICATION

Molecular Weight

39.5 kDa (359aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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Amino acid Sequence

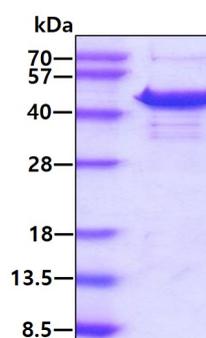
MAAAANS~~GSS~~ LPLFDCPTWA GKPPPGLHLD VVKGD~~KLIEK~~ LIIDEK~~KYYL~~ FGRNPDL~~CDF~~ TIDHQ~~SCSRV~~ HAALVYHKHL
KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE
TELDNLTEFN TAHNKRISTL TIEEGNLDIQ RPKRKRKNSR VTFSEDEII NPEDVDPSVG RFRNMVQTAV VPVKKRVEG
PGSLGLEESG SRRMQNFAFS GGLYGGLPPT HSEAGSQPHG IHGTALIGGL PMPYPNLAPD VDLTPVVPSA VNMNPAPNPA
VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL I<VEHHHHHH>

General References

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.