

# Product information



## PPP1R8, 1-351aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1703

**Full name:** Nuclear inhibitor of protein phosphatase 1

**NCBI Accession No.:** NP\_054829

**Synonyms:** ARD-1, ARD1, NIPP-1, NIPP1, PRO2047

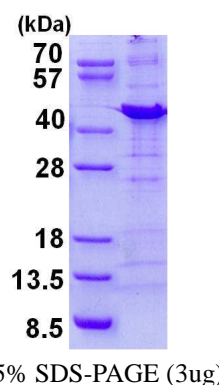
**Description:** PPP1R8, also as known as NIPP-1, is the RNA-binding subunit of a major species of protein phosphatase-1 in the nucleus. This enzyme is inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates. Recombinant human PPP1R8 protein, fused to His-tag at C-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MAAAANS~~GSS~~ LPLFDCPTWA GKPPPGLHLD VVKGD~~K~~LEK LIIDEK~~K~~YYL FGRNPDL~~CDF~~ TIDHQSCSRV HAALVYHKHL KRVFLIDLNS  
THGTF~~L~~GHIR LEPHKPQQIP IDSTVSFGAS TRAYTLREKP QTLPSAVKGD EKMGGEDEL KGLLGLPEEE TELDNLTEFN TAHNKRI~~STL~~  
TIEEGNLDIQ RPKRKRKNSR VTFSEDEII NPEDVDPSVG RFRNMVQTAV VPVKKKRV~~EG~~ PGSLGLEESG SRRMQNFAFS GGLYGGLPPT  
HSEAGSQPHG IHGTALIGGL PMPYPNLAPD VDLTPVPSA VNMNPAPNPA VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL IVEHHHHHH

### General references:

Jin Q., *et al.* (1999) *Biochem. J.* 342:13-19

Beullens M., *et al.* (2000) *Biochem. J.* 352:651-658

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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