

**PPP1R8, 1-351aa, Human, His tag, E.coli**

**Cat.NO.: TP03505**

3th Edition

**Synonyms:**Nuclear inhibitor of protein phosphatase 1, 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

**Sequences:**

MAAAANSGSSLPLFDCPTWAGKPPPGLHLDVVKGDKLIEKLIIDEKKYYLFGRNPDLCDFTIDHQSCSRVHAALVYH  
KHLKRVFLIDLNSTHGTFLGHIRLEPHKPPQIPIDSTVSFGASTRAYTLREKPQTLPSAVKGDEKMGGEDDELKGLLG  
LPEEETELDNLTEFNHTAHNKRIKSTLTIEEGNLDIQRPKRKRKNSRVTFSEDDEIINPEDVDPSVGRFRNMVQTAVVPV  
KKKRVEGPGSLGLEESGSRMQNFAFSGGLYGGLPPTHSEAGSQPHGIHGTALIGGLPMPYPNLAPDVLTPVVP  
SAVNMNPAPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLLIVEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.