

32-2721: PPP1R8 Recombinant Protein

Alternative Name : Protein phosphatase 1 regulatory subunit 8,nuclear inhibitor of protein phosphatase-1 alpha,Protein phosphatase 1 regulatory inhibitor subunit 8,ARD1,NIPP1,PRO2047,ARD-1,activator of RNA decay,nuclear subunit of PP-1,RNase E.

Description

Source : E.coli. PPP1R8 Human Recombinant produced in E. coli is a single polypeptide chain containing 359 amino acids (1-351) and having a molecular mass of 39.5 kDa.PPP1R8 is fused to a 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. Protein Phosphatase 1, Regulatory Subunit 8 (PPP1R8) is the RNA-binding subunit of a key species of protein phosphatase-1 in the nucleus. The PPP1R8 enzyme is an inhibitor subunit of the main nuclear protein phosphatase-1 (PP-1). PPP1R8 has RNA-binding activity however it doesn't cleave RNA and may target PP-1 to RNA-associated substrates. Two isoforms of the PPP1R8 protein are specific inhibitors of type 1 serine/threonine protein phosphatases which can bind but not cleave RNA. The third isoform of the PPP1R8 protein is deficient in of the phosphatase inhibitory activity nonetheless it is a single-strand endoribonuclease comparable to RNase E of E. coli.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The PPP1R8 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MAAAANS~~G~~SS LPLFDCPTWA GKPPPGLHLD VVKGD~~K~~LIEK LIIDEK~~K~~YYL FGRNPDLCDF TIDHQSCSRV HAALVYHKHL KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE TELDNLTEFN TAHNK~~R~~ISTL TIEEG~~N~~LDIQ RPK~~R~~K~~R~~KNSR VTFSEDEII NPEDVDPSVG RFRNMVQTAV VPVKK~~R~~VEG PGS~~L~~GLEESG SRRMQNFAFS GGLYGG~~L~~PPT HSEAGSQPHG IHGTALIGGL PMPYPNLAPD VDLTPV~~V~~PSA VNMNPAPNPA VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL IVEHHHHHH