

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 : MAAAANSNGSS LPLFDCPTWA GKPPPGLHLD VVKGDKLIK LIIDEKYYL FGRNPDLCDF
TIDHQSCSRV HAALVYHKHL KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS
TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE TELDNLTEFN TAHNKRISTL
TIEEGNLDIQ RPKRKRKNSR VTFSEDEII NPEDVDPSVG RFRNMVQTAV VPVKKKRVEG
PGSLGLEESG SRRMQNFAFS GGLYGGLPPT HSEAGSQPHG IHGTALIGGL PMPYPNLAPD
VDLTPVPSA VNMNPAPNPA VYNPEAVNEP KKKKYAKEAW PGKKPTPSLL IVEHHHHHHH

