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PPP1R8 Human

Catalog #:ENPS-655

For research use only.

Description: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.

Synonyms: 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.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MAAAANSGSS LPLFDCPTWA GKPPPGLHLD VVKGDKLIEK LIIDEKKYYL FGRNPDLCDF TIDHQSCSRV HAALVYHKHL KRVFLIDLNS THGTFLGHIR LEPHKPQQIP IDSTVSFGAS TRAYTLREKP QTLPSAVKGD EKMGGEDDEL KGLLGLPEEE TELDNLTEFN TAHNKRISTL TIEEGNLDIQ RPKRKRKNSR VTFSEDDEII NPEDVDPSVG RFRNMVQTAV VP

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The PPP1R8 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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 doesnt 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.

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