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RTCA Human

RNA 3'-Terminal Phosphate Cyclase Human Recombinant
RCP1936

Product Overview

Name	RTCA Human

Description

RNA 3'-Terminal Phosphate Cyclase Human Recombinant

Accession (Primary)	O00442

Synonyms

RNA 3'-terminal phosphate cyclase, RPC, RTC1, RTCD1, RNA cyclase, RNA-3'-phosphate cyclase, RNA terminal phosphate cyclase domain-containing protein 1, RTC domain-containing protein 1, RTCA, RPC1.

Introduction

RNA 3'-Terminal Phosphate Cyclase (RTCA) encodes a part of the RNA 3'-phosphate cyclase family. RTCA takes part in RNA metabolism by catalyzing the ATP-dependent conversion of the 3'-phosphate of RNA substrates to a 2',3'-cyclic phosphodiester. RTCA is involved in some phases of cellular RNA processing.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

RTCA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

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.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAGPRVE VDGSIMEGGG QILRVSTALS CLLGLPLRVQ KIRAGRSTPG LRPQHLSGLE MIRDLCDGQL EGAEIGSTEI TFTPEKIKGG IHTADTKTAG SVCLLMQVSM PCVLFAASPS ELHLKGGTNA EMAPQIDYTV MVFKPIVEKF GFIFNCDIKT RGYYPKGGGE VIVRMSPVKQ LNPINLTERG CVTKIYGRAF VAGVLPFKVA KDMAAAAVRC IRKEIRDLYV NIQPVQEPKD QAFGNGNGII IIAETSTGCL

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FAGSSLGKRG VNADKVGIEA AEMLLANLRH GGTVDEYLQD QLIVFMALAN GVSRIKTGPV TLHTQTAIHF AEQIAKAKFI VKKSEDEEDA AKDTYIIECQ GIGMTNPNL.

Precautions

RTCA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00442)