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DATA SHEET

RNA 3'-Terminal Phosphate Cyclase Human Recombinant

Item Number	rAP-4182
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.
Description	RTCA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 389 amino acids (1-366a.a) and having a molecular mass of 41.7kDa. RTCA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	O00442
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGPRVE 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 FAGSSLGKRG VNADKVGIEA AEMLLANLRH GGTVDEYLQD QLIVFMALAN GVSRIKTGPV TLHTQTAIHF AEQIAKAKFI VKKSEDEEDA AKDTYIIECQ GIGMTNPNL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	RTCA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only