

## 32-4718: Recombinant Human RNA 3'-Terminal Phosphate Cyclase

**Alternative Name** 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

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** RTCA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.  
**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 :** MGSSHHHHHH SSSLVPRGSH MGSMAGPRVE VDGSIMEGGG QILRVSTALS CLLGLPLRVQ  
KIRAGRSTPG LRPQHLSGLE MIRDLCDGQL EGAEIGSTEI TFTPEKIKGG IHTADTKTAG SVCLLMQVSM  
PCVLFAASPS ELHLKGGTNA EMAPQIDYTV MVFKPIVEKF GFIFNCDIKT RGYYPKGGGE VIVRMSPVKQ  
LNPINLTERG CVTKIYGRAF VAGVLPFKVA KDMAAAVRC IRKEIRDLYV NIQPVQEPKD QAFGNGNGII  
IIAETSTGCL FAGSSLGKRG VNADKVGIEA AEMLLANLRH GGTVDEYLQD QLIVFMALAN GVSRIKTGPV  
TLHTQTAIHF AEQIAKAKFI VKKSEDEEDA AKDITYIECQ GIGMTNPNL.

