

Datasheet for ABIN7549235  
**RNGTT Protein (AA 1-597) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	RNGTT
Protein Characteristics:	AA 1-597
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNGTT protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RNGTT Protein expressed in mammalian cells.
Sequence:	MAHNKIPPRW LNCPRRGQPV AGRFLPLKTM LGPRYDSQVA EENRFHPSML SNYLKSLKVK MGLLVDLTNT SRFYDRNDIE KEGIKYIKLQ CKGHGECPTT ENTETFIRLC ERFNERNPPE LIGVHCTHGF NRTGFLICAF LVEKMDWSIE AAVATFAQAR PPGIYKGDYL KELFRRYGDI EEAPPPPLLP DWCFEDDEDE DEDEDGKKES EPGSSASFGK RRKERLKLGA IFLEGVTVKG VTQVTTQPKL GEVQQKCHQF CGWEGSGFPG AQPVSMDKQN IKLLDLKPYK VSWKADGTRY MMLIDGTNEV FMIDRDNSVF HVSNLEFPFR KDLRMHLSNT LLDGEMIHDR VNGQAVPRYL YDIIKFNSQ PVGDCCDFNVR LQCIEREIIS PRHEKMKTGL IDKTQEPFSV RNKPFDDICT SRKLLEGNFA KEVSHEMDGL IFQPTGKYKP GRCDILKWK PPSLNSVDFR LKITRMGGEG LLPQNVGLLY VGGYERPFAQ IKVTKELKQY DNKIIECKFE NNSWVFMQR TDKSFPNAYN TAMAVCNSIS NPVTKEMLFE FIDRCTAASQ GQKRKHHLDP DTELMPPPPP KRPRPLT <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you</b>

## Product Details

---

**have a special request, please contact us.**

---

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

---

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

---

**Grade:** custom-made

---

## Target Details

---

**Target:** RNGTT

---

**Alternative Name:** RNGTT ([RNGTT Products](#))

---

**Background:** mRNA-capping enzyme (HCAP1) (HCE) [Includes: mRNA 5'-triphosphate monophosphatase (EC 3.6.1.74) (mRNA 5'-phosphatase), mRNA guanylyltransferase (EC 2.7.7.50) (GTP--RNA guanylyltransferase) (GTase)],FUNCTION: Bifunctional mRNA-capping enzyme exhibiting RNA 5'-triphosphate monophosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the GMP moiety of GTP to the 5'-diphosphate terminus of RNA via a covalent enzyme-GMP reaction intermediate.  
{ECO:0000269|PubMed:21636784, ECO:0000269|PubMed:9473487, ECO:0000269|PubMed:9512541}.

---

## Target Details

---

Molecular Weight: 68.6 kDa

UniProt: [O60942](#)

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months