

Datasheet for ABIN7562500
RNGTT Protein (AA 1-597) (His tag)



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Overview

Quantity:	1 mg
Target:	RNGTT
Protein Characteristics:	AA 1-597
Origin:	Mouse
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:	MAYNKIPPRW LNCPRRGQPV AGRFLPLKTM LGPRYDSQVA EENRFHPSML SNYLKSLKVK MSLLVDLTNT SRFYDRNDIE KEGIKYIKLQ CKGHGECPTT ENTETFIRLC ERFNERSPPE LIGVHCTHGF NRTGFLICAF LVEKMDWSIE AAVATFAQAR PPGIYKGDYL KELFRRYGDI EEAPPPVLP DWCFEDEDEE DEDEDGKKDS EPGSSASFSK RRKERLKLGA IFLEGITVKG VTQVTTQPKL GEVQQKCHQF CGWEGSGFPG AQPVSMDKQN IRLLEQKPYK VSWKADGTRY MMLIDGTNEV FMIDRDNSVF HVSNLEFPFR KDLRMHLSNT LLDGEMIIDK VNGQAVPRYL IYDIKFNAQ PVGDCCFNIR LQCIEREIIS PRHEKMKTGL IDKTQEPFSV RPKQFFDINI SRKLLEGNFA KEVSHEMDGL IFQPIGKYKP GRCCDILKWK PPSLNSVDFR LKITRMGGEG LLPQNVGLLY VGGYERPFAQ IKVTKELKQY DNKIIECKFE NNSWVFMQR IDKSFNPAYN TAMAVCNIS NPVTKEMLFE FIDRCAAAAQ GQKRKYPLDP DTELMPPPPP KRLHRPT 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

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 (HCE) (MCE1) [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:21683636, ECO:0000269|PubMed:9371772}.

Target Details

Molecular Weight: 68.7 kDa

UniProt: [O55236](#)

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