

Datasheet for ABIN7551532

**Ribonuclease K Protein (RNASEK) (AA 1-137) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Ribonuclease K (RNASEK)
Protein Characteristics:	AA 1-137
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ribonuclease K protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RNASEK Protein expressed in mammalian cells.
Sequence:	MGWLRPGPRP LCPPARASWA FSHRFPSPLA PRRSPTPFFM ASLLCCGPKL AACGIVLSAW GVIMLIMLGI FFNVHSAVLI EDVPFTEKDF ENGPQNIYNL YEQVSYNCFI AAGLYLLLGG FSFCQVRLNK RKEYMVR <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 have a special request, please contact us.</b>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li></ul>

## Product Details

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- 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

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Target:	Ribonuclease K (RNASEK)
Alternative Name:	RNASEK ( <a href="#">RNASEK Products</a> )
Background:	<p>Ribonuclease kappa (RNase K) (RNase kappa) (EC 3.1.-.-) (V-type proton ATPase subunit f) (V-ATPase subunit f),FUNCTION: Endoribonuclease which preferentially cleaves ApU and ApG phosphodiester bonds. Hydrolyzes UpU bonds at a lower rate (PubMed:17881363). Regulates the activity of vacuolar (H<sup>+</sup>)-ATPase (V-ATPase) which is responsible for acidifying and maintaining the pH of intracellular compartments (PubMed:26212330). Required at an early stage of receptor-mediated endocytosis (PubMed:26212330).</p> <p>{ECO:0000269 PubMed:17881363, ECO:0000269 PubMed:26212330}., FUNCTION: (Microbial infection) Required at an early stage of both clathrin-mediated and clathrin-independent endocytic uptake of a diverse set of viruses, including dengue, West Nile, Sindbis, Rift Valley Fever, influenza, and human rhinoviruses (PubMed:26056282, PubMed:26212330).</p> <p>{ECO:0000269 PubMed:26056282, ECO:0000269 PubMed:26212330}.</p>
Molecular Weight:	15.4 kDa
UniProt:	<a href="#">Q6P5S7</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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