

Datasheet for ABIN7551701  
**RPUSD3 Protein (AA 1-351) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RPUSD3
Protein Characteristics:	AA 1-351
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPUSD3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RPUSD3 Protein expressed in mammalian cells.
Sequence:	<p>MRAVLAREMD GRRVLGRFWS GWRRGLGVRP VPEDAGFGTE ARHQRQPRGS CQRSGPLGDQ PFAGLLPKNL SREELVDALR AAVVDRKGPL VTLNKPQGLP VTGKPGELTL FSVLPELSQS LGLREQELQV VRASGKESSG LVLLSSCPQT ASRLQKYFTH ARRAQRPTAT YCAVTDGIPA ASEGKIQAAL KLEHIDGVNL TVPVKAPSRK DILEGVKCTL SHFRVVATGS GCALVQLQPL TVFSSQLQVH MVLQLCPVLG DHMYSARVGT VLGQRFLPA ENNKPQRQVL DEALLRRLHL TPSQAALPL HLHLHRLLLP GTRARDTPVE LLAPLPYFS RTLQCLGLRL Q <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></p>
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:

## Product Details

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- 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.

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

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## Target Details

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Target:	RPUSD3
Alternative Name:	RPUSD3 ( <a href="#">RPUSD3 Products</a> )
Background:	Mitochondrial mRNA pseudouridine synthase RPUSD3 (EC 5.4.99.-) (RNA pseudouridylate synthase domain-containing protein 3),FUNCTION: Catalyzes uridine to pseudouridine isomerization (pseudouridylation) of specific mitochondrial mRNAs (mt-mRNAs), a post-transcriptional modification necessary for their translation. Acts at position 390 in COXI mt-mRNA and at position 697-699 in mitochondrial COXIII mt-mRNA (PubMed:27974379). As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and may play a role in mitochondrial ribosome biogenesis (PubMed:27667664). {ECO:0000269 PubMed:27667664, ECO:0000269 PubMed:27974379}.
Molecular Weight:	38.5 kDa
UniProt:	<a href="#">Q6P087</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 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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