Datasheet for ABIN7551568

# RPS7 Protein (AA 1-194) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | RPS7 |
| Protein Characteristics: | AA 1-194 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This RPS7 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

## Product Details

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| Purpose: | Custom-made recombinat RPS7 Protein expressed in mammalien cells. |
| Sequence: | MFSSSAKIVK PNGEKPDEFE SGISQALLEL EMNSDLKAQL RELNITAAKE IEVGGGRKAI IIFVPVPQLK SFQKIQVRLV RELEKKFSGK HVVFIAQRRI LPKPTRKSRT KNKQKRPRSR TLTAVHDAIL EDLVFPSEIV GKRIRVKLDG SRLIKVHLDK AQQNNVEHKV ETFSGVYKKL TGKDVNFEFP EFQL **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.** |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalien cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. |

## Product Details

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| | • State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>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.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>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, Western Blot |
| Grade: | custom-made |

## Target Details

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| Target: | RPS7 |
| Alternative Name: | RPS7 (RPS7 Products) |
| Background: | Small ribosomal subunit protein eS7 (40S ribosomal protein S7),FUNCTION: Component of the small ribosomal subunit (PubMed:23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). Required for rRNA maturation (PubMed:19061985). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). {ECO:0000269\|PubMed:19061985, ECO:0000269\|PubMed:23636399, ECO:0000269\|PubMed:34516797}. |
| Molecular Weight: | 22.1 kDa |
| UniProt: | P62081 |
| Pathways: | Tube Formation |

## Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies |

## Application Details

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| | as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

## Handling

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| 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 |