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Datasheet for ABIN7551342 **RCL1 Protein (AA 1-373) (His tag)**

Overview

Quantity:	1 mg
Target:	RCL1
Protein Characteristics:	AA 1-373
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RCL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RCL1 Protein expressed in mammalien cells.
Sequence:	<p>MATQAHLSY AGCNFLRQL VLSTLSGRPV KIRKIRARDD NPGLRDFEAS FIRLLDKITN GSRIEINQTG TTLYYQPGLL YGGSVEHDCS VLRGIGYYLE SLLCLAPFMK HPLKIVLRGV TNDQVDPSVD VLKATALPLL KQFGIDGESF ELKIVRRGMP PGGGGEVVFS CPVRKVLKPI QLTDPGKIKR IRGMAYSVRV SPQMANRIVD SARSILNKFI PDIYITDHM KGVNSGKSPG FGLSLVAETT SGTFLSAELA SNPQGQGA AV LPEDLGRNCA RLLLEEIYRG GCV DSTNQSL ALLLMTLGQQ DVSKVLLGPL SPYTIEFLRH LKSFFQIMFK IETKPCGEEL KGGDKVLMTC VGIGFSNLSK TLK 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.</p>

Characteristics:	Key Benefits:
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Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	RCL1
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Alternative Name:	RCL1 (RCL1 Products)
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Background:	RNA 3'-terminal phosphate cyclase-like protein,FUNCTION: 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). Does not have cyclase activity (By similarity). {ECO:0000250 UniProtKB:Q08096, ECO:0000269 PubMed:34516797}.
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Molecular Weight:	40.8 kDa
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UniProt:	Q9Y2P8
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a
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Application Details

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