

Datasheet for ABIN7551603
C22orf28 Protein (AA 1-505) (His tag)



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Overview

Quantity:	1 mg
Target:	C22orf28
Protein Characteristics:	AA 1-505
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C22orf28 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RTCB Protein expressed in mammalian cells.
Sequence:	<p>MSRSYNDELQ FLEKINKNCW RIKKGFVPMN QVEGVFYVND ALEKLMFEEL RNACRGGGVG GFLPAMKQIG NVAALPGIVH RSIGLPDVHS GYGFAIGNMA AFDMNDPEAV VSPGGVGFDI NCGVRLLRN LDESDVQPVK EQLAQAMFDH IPVGVGSKGV IPMNAKDLEE ALEMVDWSL REGYAWAEDK EHCEEYGRML QADPNKVSAR AKKRGLPQLG TLGAGNHYAE IQVVDEIFNE YAAKKMGIDH KGQVCVMIHS GSRGLGHQVA TDALVAMEKA MKRDKIIVND RQLACARIAS PEGQDYLKGM AAAGNYAWN RSSMTFLTRQ AFAKVFNTTP DDLDLHVIYD VSHNIAKVEQ HVVDGKERTL LVHRKGSTRA FPPHHPLIAV DYQLTGQPVL IGGTMGTCSY VLTGTEQGMT ETFGTTCHGA GRALSRAKSR RNLDQDVLV KLADMGIAIR VASPKLVMEE APESYKNVTD VVNTCHDAGI SKKAIKLRPI AVIKG 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

C22orf28

Alternative Name:

RTCB ([C22orf28 Products](#))

Background:

RNA-splicing ligase RtcB homolog (EC 6.5.1.8) (3'-phosphate/5'-hydroxy nucleic acid ligase),FUNCTION: Catalytic subunit of the tRNA-splicing ligase complex that acts by directly joining spliced tRNA halves to mature-sized tRNAs by incorporating the precursor-derived splice junction phosphate into the mature tRNA as a canonical 3',5'-phosphodiester. May act as an RNA ligase with broad substrate specificity, and may function toward other RNAs. {ECO:0000255|HAMAP-Rule:MF_03144, ECO:0000269|PubMed:21311021, ECO:0000269|PubMed:24870230}.

Molecular Weight:

55.2 kDa

UniProt:

[Q9Y3I0](#)

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
