

Datasheet for ABIN7546675  
**CRLS1 Protein (AA 1-301) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CRLS1 (CLS)
Protein Characteristics:	AA 1-301
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRLS1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CRLS1 Protein expressed in mammalian cells.
Sequence:	MLALRVARGS WGALRGAAWA PGTRPSKRRA CWALLPPVPC CLGCLAERWR LRPAALGLRL PGIGQRNHCS GAGKAAPRPA AGAGAAAEAP GGQWGPASTP SLYENPWTIP NMLSMTRIGL APVLGYLIE EDFNIALGVF ALAGLTDLLD GFIARNWANQ RSALGSALDP LADKILISIL YVSLTYADLI PVPLTYMIIS RDVMLIAAVF YVRYRTLPTP RTLAKYFNPC YATARLKPTF ISKVNTAVQL ILVAASLAAP VFNYADSIYL QILWCFTAFT TAASAYSYYH YGRKTVQVIK D <b>Sequence without tag.</b> <b>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:

## 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:	CRLS1 (CLS)
Alternative Name:	CRLS1 ( <a href="#">CLS Products</a> )
Background:	Cardiolipin synthase (CMP-forming) (CLS) (EC 2.7.8.41) (Protein GCD10 homolog),FUNCTION: Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG). CL is a key phospholipid in mitochondrial membranes and plays important roles in maintaining the functional integrity and dynamics of mitochondria under both optimal and stress conditions. {ECO:0000269 PubMed:16547353, ECO:0000269 PubMed:16678169, ECO:0000269 PubMed:35147173}.
Molecular Weight:	32.6 kDa
UniProt:	<a href="#">Q9UJA2</a>

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## 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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## Application Details

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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