

Datasheet for ABIN7319245

**CALU Protein (AA 20-315) (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	CALU
Protein Characteristics:	AA 20-315
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CALU protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Calumenin Protein (aa 20-315, His Tag)
Sequence:	Lys20-Phe315
Characteristics:	Recombinant Human Calumenin is produced by our Mammalian expression system and the target gene encoding Lys20-Phe315 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CALU
Alternative Name:	Calumenin ( <a href="#">CALU Products</a> )
Background:	Background: Calumenin is a secreted calcium-binding protein that belongs to the CREC family.

## Target Details

Calumenin contains six EF-hand domains and is expressed at high levels in the heart, placenta and skeletal muscle. Human Calumenin is synthesized as a 315 amino acid precursor that contains a 19 amino acid signal sequence, and a 296 amino acid mature chain. Calumenin localizes to the endoplasmic reticulum (ER) and sarcoplasmic reticulum (SR) of mammalian tissues which plays a role in ER functions as protein folding and sorting. Calumenin is involved in the regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. It seems to inhibit  $\gamma$ -carboxylase GGCX.

Synonym: Calumenin, Crocalbin, IEF SSP 9302, CALU

Molecular Weight:	36.0 kDa
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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