

[Go to Product page](#)

Datasheet for ABIN6964232

**Calreticulin Protein (CALR) (His tag)**

## Overview

Quantity:	100 µg
Target:	Calreticulin (CALR)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calreticulin protein is labelled with His tag.

## Product Details

Purpose:	Recombinant human CALR protein with C-terminal 6xHis tag
Specificity:	CALR (Glu18-Leu417) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	Calreticulin (CALR)
Alternative Name:	CALR ( <a href="#">CALR Products</a> )
Background:	Synonymes: cC1qR, CRT, HEL-S-99n, RO, SSA Description: Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell

## Target Details

adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.[provided by RefSeq, May 2020]

Molecular Weight: predicted molecular mass of 47.3 kDa after removal of the signal peptide.The apparent molecular mass of CALR-His is 55-70 kDa due to glycosylation.

UniProt: [P27797](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Preservative: Without preservative

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months