

Datasheet for ABIN6964232 Calreticulin Protein (CALR) (AA 18-417) (His tag)





Overview

Quantity:	100 µg
Target:	Calreticulin (CALR)
Protein Characteristics:	AA 18-417
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calreticulin protein is labelled with His tag.

Product Details

Recombinant human CALR protein with C-terminal 6xHis tag
CALR (Glu18-Leu417) 6xHis tag
Extracellular Domain Protein
Purified from cell culture supernatant by affinity chromatography
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 (CALR Products)
Background:	Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic

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Target Details

	reticulum, and is involved in a variety of cellular processes, among them, cell 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	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants
	before lyophilization.
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



SDS-PAGE

Image 1. Human CALR Protein, His Tag on SDS-PAGE under reducing condition.

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