

Datasheet for ABIN667783

Calreticulin Protein (CALR) (AA 18-417) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Calreticulin (CALR)
Protein Characteristics:	AA 18-417
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calreticulin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	Calreticulin, 18-417aa, Human, His tag, E.coli
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	Calreticulin (CALR)
Alternative Name:	Calreticulin (CALR Products)
Background:	Calreticulin is the major calcium binding protein found in smooth muscle sarcoplasmic reticulum (SR) and non-muscle endoplasmic reticulum (ER) membranes. Calreticulin can inhibit the binding of androgen receptor to its hormone-responsive DNA element and can inhibit androgen receptor and retinoic acid receptor transcriptional activities in vivo, as well as retinoic acid-induced neuronal differentiation. Thus, Calreticulin can act as an important modulator of

Target Details

the regulation of gene transcription by nuclear hormone receptors. Recombinant human Calreticulin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: cC1qR, CRT, FLJ26680, RO, SSA, Autoantigen RO, CALR, CALR protein, Calregulin, Calreticulin, CRP55, CRTC, ERp60, FLJ26680, grp60, HACBP, Sicca syndrome antigen A. NCBI no.: NP_004334

Molecular Weight: 48.7 kDa (421aa), confirmed by MALDI-TOF

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

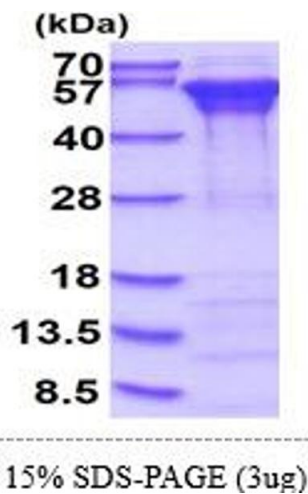
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol

Storage: 4 °C

Images



SDS-PAGE

Image 1.