

PRODUCT INFORMATION

CALR **Target**

Synonyms cC1qR;CRT;HEL-S-99n;RO;SSA

Recombinant human CALR protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P27797 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Background

CALR(Glu18-Leu417) 6×His tag Characterization

The protein has a predicted molecular mass of

47.3 kDa after removal of the signal peptide. The apparent molecular mass of CALR-His is **Molecular Weight**

approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 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

> Email: info@dimabio.com Website: www.dimabio.com

type [provided by RefSeq, May 2020]

Usage Research use only Conjugate Unconjugated





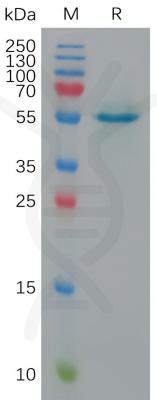


Figure 1. Human CALR Protein, His Tag on SDS-PAGE under reducing condition.

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