Datasheet for ABIN7318227

Calreticulin 3 Protein (CALR3)

Go to Product page

Overview

Quantity:	50 µg
Target:	Calreticulin 3 (CALR3)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Calreticulin-3/CALR3 Protein
Sequence:	Thr 20-Leu384
Characteristics:	Recombinant Human calreticulin-3 is produced by our E.coli expression system and the target gene encoding Thr20-Leu384 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Calreticulin 3 (CALR3)
Alternative Name:	Calreticulin-3/CALR3 (CALR3 Products)
Background:	Background: Calreticulin-3 belongs to the calreticulin family, members of which are calcium binding chaperones localized mainly in the endoplasmic reticulum. It can be divided into a N-terminal globular domain, a proline-rich P-domain forming an elongated arm-like structure and a C-terminal acidic domain. During spermatogenesis process, Calreticulin-3 may act as a lectin-

Target Details

	independent chaperone for specific client proteins such as ADAM3. Defects in CALR3 are the cause of familial hypertrophic cardiomyopathy type 19 (CMH19), it is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. Synonym: Calreticulin-3, calreticulin-2, calsperin, CALR3, CRT2
Molecular Weight:	42.9 kDa
UniProt:	Q96L12
Pathways:	Activation of Innate immune Response

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
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.