Datasheet for ABIN7318224
Calmegin Protein (CLGN) (His tag)

Go to Product page

Overview

Quantity:	50 μg
Target:	Calmegin (CLGN)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calmegin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Calmegin/CLGN Protein (His Tag)
Sequence:	Glu20-Trp471
Characteristics:	Recombinant Human Calmegin is produced by our Mammalian expression system and the target gene encoding Glu20-Trp471 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μg as determined by the LAL method.

Target Details

Target:	Calmegin (CLGN)
Alternative Name:	Calmegin/CLGN (CLGN Products)
Background:	Background: Calmegin (CLGN) is a member of the calreticulin family. Calmegin is a testis-specific endoplasmic reticulum chaperone protein. The functions during spermatogenesis as a chaperone for a range of client proteins that is important for sperm adhesion onto the egg zona

Target Details

pellucida and for subsequent penetration of the zona pellucida. It is required for normal male fertility, normal sperm migration from the uterus into the oviduct. Calmegin binds calcium ions and interacts with PDILT. Calmegin may play a role in spermatogeneisis and infertility.

Synonym: Calmegin, CLGN

Molecular Weight:	52.9 kDa
UniProt:	O14967

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.