

Product datasheet for **TP726945**

Calmegin (CLGN) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Calmegin/CLGN (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu20-Trp471
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1047
UniProt ID:	O14967
Summary:	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 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 spermatogenesis and infertility.



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