

Recombinant Human CLGN, His-tagged

Cat. No. CLGN-52H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Calmegin/CLGN is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu20-Trp471) of Human CLGN fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	20-471 a.a.
Description	Calmegin (CLGN) is a member of the calreticulin family. Calmegin is a testis-specific endoplasmic reticulum chaperone protein. Calmegin binds calcium ions and interacts with PDILT. Calmegin may play a role in spermatogenesis and infertility.
AA Sequence	EFMDDDVETEDFEENSEEIDVNESELSSEIKYKTPQPIGEVYFAETFD SGRLAGWVL SKAKKDDM DEEISIDGRWEIEELKENQVPGDRGLVLKSRAKHHASAVLAKPFIFAD KPLIVQYEVNFQDGI DCGGAYIKLLADTDDLILENFYDKTSYIIMFGPDKCGEDYKLHF IFRHKHPKTGVFEEKHAKPPD VDLKKFFTD R KTHLYTLVMNPDDT FEVLVDQTVVNK GSLLEDVVPPIKPPKEIEDPNDKKPEEWD ERAKIPDPSAVKPEDWDESEPAQIEDSS VVKPAGWLDDEPKFIPDPNAEKPDDWNEDTDGEWEAP QILNPACRIGCGE WKPPM IDNPKYKGVWRPPLVDNPNYQGIWSPRKIPNPDYFEDDHPFL LTSFS ALGLELWSM TSDIYFDNFIICSEKEVADHWAADGWRWKIMIANANKPGVLKQLMAAAEGHPWVDH HHHHH
Endotoxin	Less than 0.1

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ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name [CLGN calmegin \[Homo sapiens \]](#)

Official Symbol CLGN

Synonyms CLGN; calmegin;

Gene ID [1047](#)

mRNA Refseq [NM_001130675](#)

Protein Refseq [NP_001124147](#)

MIM [601858](#)

UniProt ID [O14967](#)

Chromosome Location 4q28.3-q31.1

Function calcium ion binding; unfolded protein binding;

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