Recombinant Human CLGN protein, His & T7-tagged

Cat. No. CLGN-1660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLGN aa. (Asp23~Glu293 (Accession # O14967)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp23~Glu293
Description	Calmegin is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogeneisis and infertility.
Form	Freeze-dried powder
Molecular Mass	42kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less

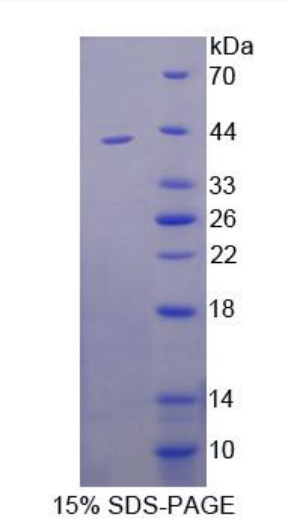
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	than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	4.6

GENE INFORMATION

Gene Name	CLGN calmegin [Homo sapiens (human)]
Official Symbol	CLGN
Synonyms	CLGN; calmegin; testis tissue sperm-binding protein Li 79P
Gene ID	1047
mRNA Refseq	NM_001130675.1
Protein Refseq	NP_001124147.1
UniProt ID	O14967

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SDS-PAGE	 15% SDS-PAGE

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