

Recombinant Human Calcium Modulating Ligand

Cat. No. CAMLG-63H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cyclophilin-B produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain containing 192 amino acids (26-216) and having a molecular mass of 21.2 kDa. CAMLG is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Protein Length	26-216 a.a.
Description	Cyclophilin B (also known as PPIB, peptidylpropyl isomerase B) is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression.
Amino Acid Sequence	MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVD NFVALATGEKGFGYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP DENFKLKHYG PGWVSMANAGKDTNGSQFFI TTVKTAWLDG KHVVFQKVL GMEVVRKVES TKTDSDRKPL KDVIADCGK IEVEKPFAIA KE.
Physical Appearance	Sterile filtered colorless solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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Formulation	1 mg/ml solution containing 20 mM Tris 8.0, 20 mM NaCl, 0.5 mM DTT and 10% glycerol.
Stability	Recombinant Human PPIase although stable at 14°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
GENE INFORMATION	
Gene Name	CAMLG calcium modulating ligand [Homo sapiens]
Synonyms	CAMLG; calcium modulating ligand; CAML; calcium-modulating cyclophilin ligand; calcium-signal modulating cyclophilin ligand; cyclophilin B-binding protein; Calcium signal-modulating cyclophilin ligand; MGC163197
Gene ID	819
mRNA Refseq	NM_001745
Protein Refseq	NP_001736
MIM	601118
UniProt ID	P49069
Chromosome Location	5q23
Function	protein binding