

Recombinant Human CAMLG, GST-tagged

Cat. No. CAMLG-10690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAMLG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-184a.a.
Description	The immunosuppressant drug cyclosporin A blocks a calcium-dependent signal from the T-cell receptor (TCR) that normally leads to T-cell activation. When bound to cyclophilin B, cyclosporin A binds and inactivates the key signaling intermediate calcineurin. The protein encoded by this gene functions similarly to cyclosporin A, binding to cyclophilin B and acting downstream of the TCR and upstream of calcineurin by causing an influx of calcium. This integral membrane protein appears to be a new participant in the calcium signal transduction pathway, implicating cyclophilin B in calcium signaling, even in the absence of cyclosporin.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	CAMLG calcium modulating ligand [Homo sapiens]
Official Symbol	CAMLG
Synonyms	CAMLG; calcium modulating ligand; calcium signal-modulating cyclophilin ligand; calcium modulating cyclophilin ligand; calcium signal modulating cyclophilin ligand; CAML; cyclophilin B binding protein; cyclophilin B-binding protein; calcium-modulating cyclophilin ligand; 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;