

Recombinant Full Length Human CAMLG Protein, GST-tagged

Cat. No. CAMLG-2794HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAMLG full-length ORF (NP_001736.1, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	296 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	59.4 kDa
AA Sequence	MESMAVATDGGERPAGSGLSASQRRRAELRRRKLLMNSEQRINRIMGFHRPGS GAEEESQTKSKQQDSDKLNSLSPSVSKRVVLGDSVSTGTDDQGGVAEVKGTQL GDKLDSFIKPPECSSDVNLELRQRNRGDLTADSVQRGSRHGLEQYLSRFEEAMKLR KQLISEKPSQEDGNTTEEFDSFRIFRLVGCALLALGVRAVCKYLSIFAPFLTLQLAYM

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GLYKYFPKSEKKIKTTVLTAALLSGIPAEVINRSMDTYSKMGEVFTDLCVYFFTFIFC
HELLDYWGSEVP

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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MIM	601118
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UniProt ID	P49069
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