

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 GAEEESQTKSKQQDSDKLNSLSPSVSKRVVLGDSVSTGTTDQQGGVAEVKGTQL GDKLDSFIKPPECSSDVNLELRQRNRGDLTADSVQRGSRHGLEQYLSRFEEAMKLR KQLISEKPSQEDGNTTEEFDSFRIFRLVGCALLALGVRAFVCKYLSIFAPFLTQLAYM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	601118
-----	--------

UniProt ID	P49069
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA