

Recombinant Human CAMLG Protein, GST-Tagged

Cat. No. CAMLG-0344H **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	Wheat Germ
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 GAEEESQTKSKQQDSDKLNLSVPSVSKRVVLGDSVSTGTTDQGGVAEVKGTQL GDKLDSFIKPPECSSDVNLELRQRNRGDLTADSVQRGSRHGLEQYLSRFEEAMKLR KQLISEKPSQEDGNTTEEFDSFRIFRLVGCALLALGVRAVCKYLSIFAPFLTLQLAYM GLYKYFPKSEKKIKTTVLTAALLSGIPAEVINRSM DTYSKMGEVFTDLCVYFFTFIFC

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	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
MIM	601118

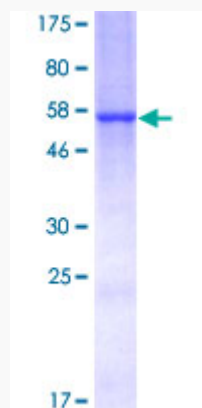
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UniProt ID

P49069

Quality Control
Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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