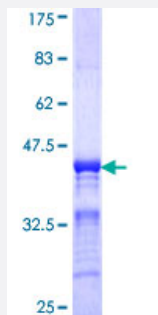


CAMLG (Human) Recombinant Protein (Q01)

Catalog # H00000819-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CAMLG partial ORF (NP_001736, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MESMAVATDGGERPAGSGLSASQRRRAELRRRKLLMNSEQRINRIMGFHRPGSGAEEESQT KSKQQDSDKLNSLSVPSVSKRVVLGDSVSTGTTDQQG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CAMLG

Entrez GeneID [819](#)

GeneBank Accession# [NM_001745](#)

Protein Accession# [NP_001736](#)

Gene Name CAMLG

Gene Alias CAML, MGC163197

Gene Description calcium modulating ligand

Omim ID [601118](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations calcium-modulating cyclophilin ligand|calcium-signal modulating cyclophilin ligand|cyclophilin B-binding protein

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)