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Datasheet for ABIN7552895

CAMLG Protein (AA 1-296) (His tag)

Overview

Quantity:	1 mg
Target:	CAMLG
Protein Characteristics:	AA 1-296
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMLG protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CAMLG Protein expressed in mammalian cells.
Sequence:	MESMAVATDG GERPGVPAGS GLSASQRRAE LRRRKLMMNS EQRINRIMGF HRPGSGAEEE SQTKSKQQDS DKLNSLSVPS VSKRVVLGDS VSTGTTDQQG GVAEVKGTQL GDKLDSFIKP PECSSDVNLE LRQRNRGDLT ADSVQRGSRH GLEQYLSRFE EAMKLRKQLI SEKPSQEDGN TTEEFDSFRI FRLVGCALLA LGVRAFVCKY LSIFAPFLTL QLAYMGLYKY FPKSEKKIKT TVLTAALLLS GIPAEVINRS MDTYSKMGEV FTDLVCVYFFT FIFCHELLDY WGSEVP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CAMLG
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Alternative Name:	CAMLG (CAMLG Products)
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Background:	<p>Guided entry of tail-anchored proteins factor CAMLG (Calcium signal-modulating cyclophilin ligand),FUNCTION: Required for the post-translational delivery of tail-anchored (TA) proteins to the endoplasmic reticulum (PubMed:23041287, PubMed:24392163, PubMed:27226539). Together with GET1/WRB, acts as a membrane receptor for soluble GET3/TRC40, which recognizes and selectively binds the transmembrane domain of TA proteins in the cytosol (PubMed:23041287, PubMed:24392163, PubMed:27226539). Required for the stability of GET1 (PubMed:32187542). Stimulates calcium signaling in T cells through its involvement in elevation of intracellular calcium (PubMed:7522304). Essential for the survival of peripheral follicular B cells (By similarity). {ECO:0000250 UniProtKB:P49070, ECO:0000269 PubMed:23041287, ECO:0000269 PubMed:24392163, ECO:0000269 PubMed:27226539, ECO:0000269 PubMed:32187542, ECO:0000269 PubMed:7522304}.</p>
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Molecular Weight:	33.0 kDa
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UniProt:	P49069
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Target Details

Pathways: [EGFR Signaling Pathway](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months