

Datasheet for ABIN7559815
CANT1 Protein (AA 1-403) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CANT1
Protein Characteristics:	AA 1-403
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CANT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cant1 Protein expressed in mammalian cells.
Sequence:	MPIQPFQRE WNEPMHSLRI SVGGLPVLAS MTKATDPRFR PRWRVILTSF VGAALLWLLY SHHQGPVPGR PPTHNAHNWR LSQQRISHYN DTYPLSPPQR TPGGIRYRIA VIADLDTGSR AQEENTWFSY LKKGYLTLSD SGDRVSVEWD KDHGVLESHL AEKGRGMELS DLIVFNGKLY SVDDRTGVIY QIEGTKAVPW VILSDGDGTV EKGFKAEWLA VKDEHLYVGG LGKEWTTTTG EVMNENPEWV KVVGHGRGSD HENWVSSYNA LRAAAGIRPP GYLHESACW SDTLQRWFFL PRRASHERYE EKDDERKGSN LLLSAAQDFR DISVRQVGTI IPTHGFSSFK FIPNTDDQII VALKSEEDNG RIATYVMAFT LDGRFLLPET KIGTVKYEGI EFI 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

CANT1

Alternative Name:

Cant1 ([CANT1 Products](#))

Background:

Soluble calcium-activated nucleotidase 1 (SCAN-1) (EC 3.6.1.6) (Apyrase homolog),FUNCTION: Calcium-dependent nucleotidase with a preference for UDP. The order of activity with different substrates is UDP > GDP > IDP >> UTP > CDP = GTP = ITP. Has very low activity towards ADP and even lower activity towards ATP. Does not hydrolyze AMP and GMP. Involved in proteoglycan synthesis. {ECO:0000250|UniProtKB:Q8WVQ1}.

Molecular Weight:

45.7 kDa

UniProt:

[Q8VCF1](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. 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