

Datasheet for ABIN7553027  
**CANT1 Protein (AA 1-401) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CANT1
Protein Characteristics:	AA 1-401
Origin:	Human
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:	MPVQLSEHPE WNESMHSRLR SVGGLPVLAS MTKAADPRFR PRWKVILTFF VGAAILWLLC SHRPAPGRPP THNAHNWRLG QAPANWYNDT YPLSPPQRTF AGIRYRIAVI ADLDTESRAQ EENTWFSYLK KGYLTLSDSG DKVAVEWDKD HGVLESHLAE KGRGMELSDL IVFNGKLYSV DDRTGVVYQI EGSKAVPWVI LSDGDGTVEK GFKAEWLAVK DERLYVGGLG KEWTTTTGDV VNENPEWVKV VGYKGSVDHE NWVSNYNALR AAAGIQPPGY LIHESACWSD TLQRWFFLPR RASQUERYSEK DDERKGANLL LSASPDFGDI AVSHVGAVVP THGFSSFKFI PNTDDQIIVA LKSEEDSGRV ASYIMAFTLD GRFLLPETKI GSVKYEGIEF   <b>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.</b>
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

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

CANT1

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### Alternative Name:

CANT1 ([CANT1 Products](#))

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### Background:

Soluble calcium-activated nucleotidase 1 (SCAN-1) (EC 3.6.1.6) (Apyrase homolog) (Putative MAPK-activating protein PM09) (Putative NF-kappa-B-activating protein 107),FUNCTION: Calcium-dependent nucleotidase with a preference for UDP. The order of activity with different substrates is UDP > GDP > UTP > GTP. Has very low activity towards ADP and even lower activity towards ATP. Does not hydrolyze AMP and GMP (PubMed:12234496, PubMed:15248776, PubMed:15006348, PubMed:16835225). Involved in proteoglycan synthesis (PubMed:22539336). {ECO:0000269|PubMed:12234496, ECO:0000269|PubMed:15006348, ECO:0000269|PubMed:15248776, ECO:0000269|PubMed:16835225, ECO:0000269|PubMed:22539336}.

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### Molecular Weight:

44.8 kDa

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### UniProt:

[Q8WVQ1](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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