

Product Information

MemDX™ Membrane Protein Human CANT1 (Calcium activated nucleotidase 1) Full Length

Cat. No.: **MPC2527K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CANT1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CANT1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MPVQLSEHPEWNESMHSLRISVGGLPVLASMTKAADPRFRPRWKVILTF
VGAAILWLLCSHRPAPGRPPTHNAHNWRLGQAPANWYNDTYPLSPPQRT
AGIRYRIAVIADLDTESRAQEENTWFSYLKKGYLTLSDSGDKVAVEWDK
HGVLESHLAEKGRGMELSDLIVFNGKLYSVDDRTGVVYQIEGSKAVPWW
LSDGDGTVEKGFKAEWLAVKDERLYVGGLGKEWTTTTGDVVNENPEWVK
VGKGSVDHENWWSNYNALRAAAGIQPPGYLIHESACWSDTLQRWFFLPR
RASQERYSEKDDERKGANLLLSASPDFGDIASHVGA VVPTHGFSSFKFI
PNTDDQIIVALKSEEDSGRVASYIMAFTLDGRFLLPETKIGSVKYEGIEF
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Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CANT1

Full Name

Calcium activated nucleotidase 1

Introduction

This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.

Alternative Names

CANT1; DBQD; EDM7; DBQD1; SCAN1; SHAPY; SCAN-1; soluble calcium-activated nucleotidase 1; Ca²⁺-dependent endoplasmic reticulum nucleoside diphosphatase; apyrase 1 homolog (C. lectularius); apyrase homolog; micromelic dwarfism with vertebral and metaphyseal abnormalities and advanced carpotarsal ossification; putative MAPK-activating protein PM09; putative NF-kappa-B-activating protein 107; soluble Ca-activated nucleotidase, isozyme 1; soluble calcium-activated nucleotidase SCAN-1; Calcium activated nucleotidase 1

Gene ID

[124583](#)

UniProt ID

[Q8WVQ1](#)