

## ARG82753 Human CANT1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82753-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82753-002	Standard	2 X 10 ng/vial	4°C
ARG82753-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82753-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82753-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82753-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82753-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82753-008	25X Wash buffer	20 ml	4°C
ARG82753-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82753-010	STOP solution	10 ml (Ready to use)	4°C
ARG82753-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82753 Human CANT1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CANT1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CANT1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.3%

**Alternate Names** Apyrase homolog; Soluble calcium-activated nucleotidase 1; EC 3.6.1.6; Putative MAPK-activating protein PM09; DBQD; SHAPY; Putative NF-kappa-B-activating protein 107; SCAN-1; SCAN1

## Application Instructions

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**Assay Time** ~ 5 hours

## Properties

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**Form** 96 well

**Storage instruction** Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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**Gene Symbol** CANT1

**Gene Full Name** calcium activated nucleotidase 1

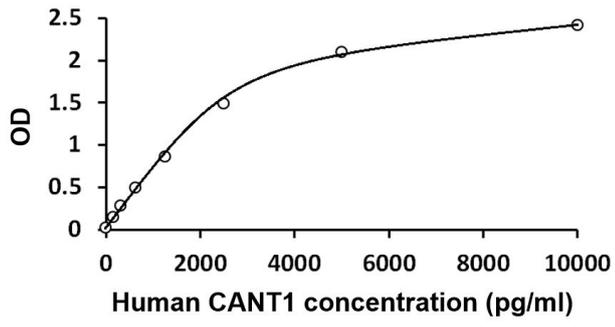
**Background** This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.[provided by RefSeq, Mar 2010]

**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. Involved in proteoglycan synthesis. [UniProt]

**Highlight** Related products:  
[CANT1 antibodies](#); [CANT1 ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**PTM** N-glycosylated. [UniProt]

**Cellular Localization** Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane. Note=Processed form: Secreted. [UniProt]



ARG82753 Human CANT1 ELISA Kit standard curve image

ARG82753 Human CANT1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.