

Recombinant Full Length Human CANT1 Protein, GST-tagged

Cat. No. CANT1-2806HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CANT1 full-length ORF (NP_620148.1, 1 a.a. - 401 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 401 amino acids

Description 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]

Molecular Mass 71.2 kDa

AA Sequence MPVQLSEHPEWNESMHSLRISVGGLPVLASMTKAADPRFRPRWKVILTFVGAAIL
 WLLCSHRPAPGRPPTHNAHNWRLGQAPANWYNDTYPLSPPQRTPAGIRYRIAVIAD
 LDTESRAQEENTWFSYLKKGYLTLSDSGDKVAVEWDKDHGVLESHLAEKGRGMEL
 SDLIVFNGKLYSVDDRTGVVYQIEGSKAVPWWILSDGDGTVEKGFKAEWLAVKDERL
 YVGGLGKEWTTTTGDVNVENPEWVKVVGKGSVDHENWVSNYNALRAAAGIQPP
 GYLIHESACWSDTLQRWFFLPRRASQERYSEKDDERKGANLLLSASPDFGDIIVSH
 VGAVVPTHGFSSFKFIPNTDDQIIVALKSEEDSGRVASYIMAFTLDGRFLLPETKIGSV
 KYEGIEFI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CANT1 calcium activated nucleotidase 1 [Homo sapiens]
Official Symbol	CANT1
Synonyms	CANT1; calcium activated nucleotidase 1; soluble calcium-activated nucleotidase 1; SCAN 1; SHAPY; Soluble Ca Activated Nucleotidase; isozyme 1; apyrase homolog; putative MAPK-activating protein PM09; putative NF-kappa-B-activating protein 107; soluble Ca-activated nucleotidase, isozyme 1; soluble calcium-activated nucleotidase SCAN-1; Ca ²⁺ -dependent endoplasmic reticulum nucleoside diphosphatase; micromelic dwarfism with vertebral and metaphyseal abnormalities and advanced carpotarsal ossification; DBQD; SCAN1; SCAN-1;
Gene ID	124583
mRNA Refseq	NM_001159772
Protein Refseq	NP_001153244

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MIM	613165
UniProt ID	Q8WVQ1

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