9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3411: CANT1 Recombinant Protein

Alternative Name :	Soluble calcium-activated nucleotidase 1,SCAN-1,Apyrase homolog,Putative MAPK-activating protein PM09,Putative NF-kappa-B-activating protein 107,CANT1,SHAPY,DBQD,SCAN1.

Description

Source : E.coli. CANT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 364 amino acids (63-401 a.a.) and having a molecular mass of 40.5kDa. CANT1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Calcium-activated nucleotidase 1 (CANT1) is a member of the apyrase family. The CANT1 protein is calcium-dependent nucleotidase with a preference for UDP. The order of activity with different substrates is as follows: UDP > GDP > UTP > GTP. Moreover, CANT1 has a very low activity towards ADP and an even lower activity towards ATP. As well as it doesn't hydrolyze AMP and GMP. CANT1's specific function is yet unknown, nevertheless its substrates are involved in several key signaling functions, including Ca2+ release, through activation of pyrimidinergic signaling. Mutations in the CANT1 gene are linked with Desbuquois dysplasia with hand anomalies.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	CANT1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMRPAPG RPPTHNAHNW RLGQAPANWY NDTYPLSPPQ RTPAGIRYRI AVIADLDTES RAQEENTWFS YLKKGYLTLS DSGDKVAVEW DKDHGVLESH LAEKGRGMEL SDLIVFNGKL YSVDDRTGVV YQIEGSKAVP WVILSDGDGT VEKGFKAEWL AVKDERLYVG GLGKEWTTTT GDVVNENPEW VKVVGYKGSV DHENWVSNYN ALRAAAGIQP PGYLIHESAC WSDTLQRWFF LPRRASQERY SEKDDERKGA NLLLSASPDF GDIAVSHVGA VVPTHGFSSF KFIPNTDDQI IVALKSEEDS GRVASYIMAF TLDGRFLLPE TKIGSVKYEG IEFI.

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