

CANT1, 63-401aa, Human, His tag, E.coli

Cat.NO.: TP01417

3th Edition

Synonyms: Soluble calcium-activated nucleotidase 1, DBQD, SCAN-1, SCAN1, SHAPY.

Description: CANT1 (calcium-activated nucleotidase 1) belongs to the apyrase family. This protein is calcium dependent nucleotidase with a preference for UDP. The order of activity with different substrates is UDP > GDP > UTP > GTP. Also, it has very low activity towards ADP and even lower activity towards ATP.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

Molecular Weight: 40.5kDa (364aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMRPAPGRPPTHNAHNWRLGQAPANWYNDTYPLSPPQRTPAGIRYRIAVIA
DLDTESRAQEENTWFSYLKKGYLTLSDSGDKVAVEWDKDHGVLESHLAEKGRGMELSDLIVFNGKLYSVDDRTGV
VYQIEGSKAVPWVILSDGDGTVEKGFKAEWLAVKDERLYVGGGLGKEWTTTTGDVVNENPEWVKVVGKGSVDHE
NWVSNYNALRAAAGIQPPGYLIHESACWSDTLQRWFFLPRRASQERYSEKDDERKGANLLLSASPDFGDIAVSHV
GAVVPTHGFSSFKFIPNTDDQIIVALKSEEDSGRVASYIMAFTLDGRFLLPETKIGSVKYEIEFI

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.