Datasheet for ABIN7318221

Calcineurin B Protein (CAN) (His tag)

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Overview

Quantity:	50 µg
Target:	Calcineurin B (CAN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calcineurin B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Calcineurin B/CNB Protein (His Tag)
Sequence:	Met 1-Val170
Characteristics:	Recombinant Human Calcineurin Subunit B Type 1 is produced by our E.coli expression system and the target gene encoding Met1-Val170 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Calcineurin B (CAN)
Alternative Name:	Calcineurin B (CAN Products)
Background:	Background: Calcineurin Subunit B Type 1 belongs to the calcineurin regulatory subunit family. Calcineurin Subunit B Type 1 is a Ser/Thr-specific calcium and calmodulin-dependent protein phosphatase. It is composed of a catalytic subunit (A) and a regulatory subunit (B). It contains

Target Details

	four EF-hand domains and four functional calcium-binding sites. Calcineurin Subunit B Type 1 plays an improtant role in the T cell activation pathway. Synonym: Calcineurin Subunit B Type 1, Protein Phosphatase 2B Regulatory Subunit 1, Protein Phosphatase 3 Regulatory Subunit B Alpha Osoform 1, PPP3R1, CNA2, CNB
Molecular Weight:	21.5 kDa
UniProt:	P63098
Pathways:	Cellular Glucan Metabolic Process, VEGF Signaling

Application Details

Comment:	18 kDa
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, pH 8.0 .
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.