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Datasheet for ABIN1096182

PPP3R1 Protein (AA 1-170) (His tag)

Overview

Quantity:	50 µg
Target:	PPP3R1
Protein Characteristics:	AA 1-170
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP3R1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Calcineurin Subunit B1/CNB1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MGNEASYPLE MCSHFDADEI KRLGKRFFKL DLDNSGSLSV EEFMSLPQLQ QNPLVQRVID IFDTDGNGEV DFKEFIEGVS QFSVKGDKLQ KLRFAFRIYD MDKDGYSNG ELFQVLKMMV GNNLKDTQLQ QIVDKTIINA DKDGDGRISF EEFCVVVGL DIHKKMVVDV
Characteristics:	Recombinant Human Calcineurin Subunit B Type 1/CNB is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Val170) of Human PPP3R1 fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PPP3R1
Alternative Name:	PPP3R1 (PPP3R1 Products)
Sub Type:	Fusionprotein
Background:	<p>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 four EF-hand domains and four functional calcium-binding sites. Calcineurin Subunit B Type 1 plays an important role in the T cell activation pathway.</p> <p>Alternative Names: Calcineurin Subunit B Type 1, Protein Phosphatase 2B Regulatory Subunit 1, Protein Phosphatase 3 Regulatory Subunit B Alpha Isoform 1, PPP3R1, CNA2, CNB</p>
Molecular Weight:	21.46 kDa
UniProt:	P63098
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , Protein targeting to Nucleus , VEGF Signaling , BCR Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, pH 8.0 .
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months