

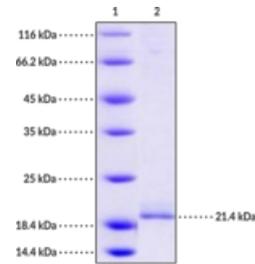


Calcineurin B (human, recombinant)

Cat No: 34631 - 20 µg

General Data

Shipping:	dry ice
Formulation:	Lyophilized from sterile 50 mM Tris, pH 8.0, with 100 mM sodium chloride, 2 mM DTT and 10% glycerol
Purity:	≥87% estimated by SDS-PAGE



Lane 1: MW Markers
Lane 2: Calcineurin B

SDS-PAGE Analysis of Calcineurin B. This protein has a calculated molecular weight of 21.4 kDa.

Product Overview

Calcineurin B is the regulatory subunit of calcineurin, a serine/threonine phosphatase with roles in T cell activation, cardiac function, learning and memory, apoptosis, and cell cycle regulation.^{61745,61746} It is encoded by two genes in mammals, PPP3R1, which is expressed in all tissues except the testes, and the testicular-restricted isoform PP3R2.^{61745,61747} Calcineurin B is a calcium-binding protein that contains four EF-hand calcium-binding sites, and calcium binding to calcineurin B is essential to both the phosphatase activity of calcineurin A and binding of inhibitor complexes to calcineurin.^{61748,61749} Cayman's Calcineurin B (human, recombinant) protein can be used for binding assays. This protein consists of 187 amino acids and has a calculated molecular weight of 21.4 kDa.

FP/03/24

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