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.

**DESCRIPTION**

Accession #: P63098

Known as: Calcineurin Subunit B Type 1; Protein Phosphatase 2B Regulatory Subunit 1; Protein Phosphatase 3 Regulatory Subunit B Alpha Ososform 1; PPP3R1; CNA2; CNB

**FORMULATION**

Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, pH 8.0.

**SHIPPING**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

**STORAGE**

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

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.

**RECONSTITUTION**

*Always centrifuge tubes before opening. Do not mix by vortex or pipetting.*

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**QUALITY CONTROL**

Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg).

**AMINO ACID SEQUENCE**

MGSSHHHHHHSSGLVPRGSHMGNEASYPLEMCSHFDADEIKRLGKRFFKLDLDNSGLSVEEFMSLPELQONPLVQRVIDIFD TDGNKGEVDFKFEIEGVQFSVKGDKEQKLRFAFRIYDMDKDGYISNGELFQVLMVMGNLKDQTVLSQDDGKFGISFEFCAVVGLDIHKKMVDV

**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 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.