



# Recombinant Protein Technical Manual

## Recombinant Human Calcineurin B/CNB Protein (His Tag)

RPES3888

### Product Data:

**Product SKU:** RPES3888

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P63098

### Protein Information:

**Molecular Mass:** 21.5 kDa

**AP Molecular Mass:** 18 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Calcineurin Subunit B Type 1; Protein Phosphatase 2B Regulatory Subunit 1; Protein Phosphatase 3 Regulatory Subunit B Alpha Osoform 1; PPP3R1; CNA2; CNB

## Immunogen Information:

**Sequence:** Met 1-Val170

## 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.