

## 32-8068: Recombinant Human Calcineurin Subunit B1/CNB1 (N-6His)

**Gene :** PPP3R1

**Gene ID :** 5534

**Uniprot ID :** P63098

### Description

Source: E.coli.

MW :21.46kD.

Recombinant Human Calcineurin Subunit B1 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. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, pH 8.0 .  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHSSGLVPRGSHMGNEASYPLEMCSHFDADEIKRLGKRFFKKLDLNSGSLSVVEEFM  
SLPELQQNPLVQRVIDIFDTDGNGEVDKFIEGVSQFSVKGDKEQKLRFARIYDMDKDGYSNGE  
LFQVLKMMVGNLKDQLQQIVDKTIINADKDGGRISFEEFCVVGGGLDIHKKMVVDV

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.