

## 32-2723: PPP3R1 Recombinant Protein

**Alternative Name** : Protein phosphatase 3 regulatory subunit B alpha,CNB1,CALNB1,Protein phosphatase 3 (formerly 2B) regulatory subunit B (19kD) alpha isoform (calcineurin B type I),Calcineurin B type I (19kDa).

### Description

Source : Escherichia Coli. PPP3R1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 190 amino acids (1-170.a.a) and having a molecular mass of 21.5kDa. PPP3R1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PPP3R1 is a Ser/Thr-specific calcium and calmodulin-dependent protein phosphatase which takes a vital part in the T cell activation pathway. Calcineurin is composed of two subunits; calcineurin A (CnA) and calcineurin B (CnB). Dephosphorylation of the nuclear factor of activated T-cells (NF-AT) by Calcineurin is essential for NF-AT activation, nuclear translocation, and early gene expression in T-cells.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** PPP3R1 Human solution (1mg/1ml) containing 20mM Tris HCL pH-8, 0.1M NaCl, 2mM DTT and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGNEASYPLE MCSHFDADEI KRLGKRFKKL DLDNSGSLSV  
EEFMSLPELQ QNPLVQRVID IFDTDGNGEV DFKEFIEGVS QFSVKGDKKEQ KLRFAFRIYD MDKDGYSING  
ELFQVLKMMV GNNLKDTQLQ QIVDKTIINA DKDGDGRISF EEFCVAVGGL DIHKKMVVDV

