

## 32-2722: PPP3CA Recombinant Protein

### Alternative Name :

Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform,CAM-PRP catalytic subunit,Calmodulin-dependent calcineurin A subunit alpha isoform,PPP3CA,CALNA,CAN,CALN,CCN1,CNA1,PPP2B,CALNA1.

### Description

Source : Escherichia Coli. PPP3CA Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 534 amino acids (1-511 a.a.) and having a molecular mass of 60kDa. The PPP3CA is purified by proprietary chromatographic techniques. PPP3CA (aka Calcineurin A) is a major soluble calmodulin binding protein in the brain and a Ca<sup>2+</sup>/calmodulin dependent serine/threonine protein phosphatase, with a relatively limited substrate specificity. PPP3CA activates the T cells of the immune system and can be blocked by drugs. PPP3CA activates NFATc (a transcription factor) by dephosphorylating it. The activated NFATc is subsequently translocated into the nucleus, where it upregulates the expression of interleukin 2.

### Product Info

#### Amount :

5 µg

#### Purification :

Greater than 85.0% as determined by SDS-PAGE.

#### Content :

The PPP3CA solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 20% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

#### Amino Acid :

MGSSHHHHHH SSGLVPRGSH TGSMSPEKAI DPKLSTTDRV VKAVPFPPSH RLTAKEVFDN DGKPRVDILK  
AHLMKEGRLE ESVALRIITE GASILRQEKD LLDIDAPVTV CGDIHGQFFD LMKLFEVGGG PANTRYLFLG  
DYVDRGYFSI ECVLYLWALK ILYPKTLFLL RGNHECRHLT EYFTFKQECK IKYSERYVDA CMDAFDCLPL  
AALMNQQFLC VHGGLSPEIN TLDDIRKLDL FKEPPAYGPM CDILWSDPLE DFGNEKTQEH FTHNTVIRGCS  
YFYSPAVCE FLQHNNLLSI LRAHEAQDAG YRMYRKSQTT GFPSLITIFS APNYLDVYNN KAAVLKYENN  
VMNIRQFNCS PHPYWLPNFM DVFTWSPFV GEKVTEMLVN VLNICSDEL GSEEDGFDGA TAAARKEVIR  
NKIRAIGKMA RVFVSLREES ESVLTKGLT PTGMLPSGVL SGGKQTLQSA IKGFSPOHKI TSFEEAKGLD  
RINERMPPRR DAMPSDANLN SINKALTSET NGTDSNGSNS SNIQ.

