

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 Ca²⁺/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 SGLVPRGSH TGSMSPEKAI DPKLSTTDRV VKAVPFPPSH RLTAKEVFDN DGKPRVDILK
AHLMKEGRLE ESVALRIITE GASILRQEK NLLDIDAPVTV CGDIHGQFFD LMKLFEVGGG PANTRYLFLG
DYVDRGYFSI ECVLYLWALK ILYPKTLFLL RGNHECRHLT EYFTFKQECK IKYSERYDA CMDAFDCLPL
AALMNQQFLC VHGGLSPEIN TLDDIRKLD R FKEPPAYGPM CDILWSDPLE DFGNEKTQEH FTHNTVRGCS
YFYSYPVAVCE FLQHNNLLSI LRAHEAQDAG YRMYRKSQTT GFPSLITIFS APNYLDVYNN KAAVLKYENN
VMNIRQFNCS PHPYWLPNFM DVFTWSLPFV GEKVTEMLVN VLNICSDEL GSEEDGFDGA TAAARKEVIR
NKIRAIGKMA RVFVSLREES ESVLTKGLT PTGMLPSGVL SGGKQTLQSA IKGFSPOHKI TSFEEAKGLD
RINERMPPRR DAMPSDANLN SINKALTSET NGTDSNGSNS SNIQ.