

PPP3CA, 1-511aa, Human, His tag, E.coli

Cat.NO.: TP03508

3th Edition

Synonyms: Serine/threonine-protein phosphatase 2B catalytic subunit alpha, CALN, CALNA, CALNA1, CCN1, CNA1, PPP2B.

Description: PPP3CA, also known as Calcineurin A, is a major soluble calmodulin binding protein in the brain, a Ca²⁺/calmodulin dependent serine/threonine protein phosphatase, with a relatively narrow substrate specificity. It activates the T cells of the immune system and can be blocked by drugs. PPP3CA activates NFATc, a transcription factor by dephosphorylating it.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 20% glycerol

Molecular Weight: 60.0 kDa (534aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHTGSMSEPKAIDPKLSTTDRVVKAVPFPPSHRLTAKEVFDNDGKPRVDILKAHLMK
EGRLEESVALRIITEGASILRQEKNLDDIDAPVTVCGDIHGQFFDLMKLFEVGGSPANTRYLFLGDYVDRGYFSIECVL
YLWALKILYPKTLFLLRGNHECRHLTEYFTFKQECKIKYSERVYDACMDAFDCLPLAALMNQQFLCVHGGLSPEINT
LDDIRKLDRFKEPPAYGPMCDILWSDPLEDFGNEKTQEFTHTNTVRCGSYFYSYPVAVCEFLQHNNLLSILRAHEAQ
DAGYRMYRKSQTTGFPSLITIFSAPNYLDVYNNKAAVLKYENNVMNIRQFNCSPHPYWLPNFMVFTWVSLPFVGEK
VTEMLVNVLNICSDDELGSEEDGFDGATAAARKEVIRNKIRAIGKMARVFSVLREESESVLTLKGLTPTGMLPSGVL
SGGKQTLQSAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAMPDANLNSINKALTSETNGTDSNGSNSSNIQ

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.