

Protein Phosphatase 3, Catalytic subunit, Alpha Isozyme Human Re-

Item Number	rAP-1503
Synonyms	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	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.
Uniprot Accession Number	Q08209
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH TGSMSPEKAI DPKLSTTDRV VKAVPFPPSH RLTAKEVFDN DGKPRVDILK AHLMEGRLE ESVALRIITE GASILRQEKD LLDIDAPVTV CGDIHGQFFD LMKLFEVGGG PANTRYLFLG DYVDRGYFSI ECVLYLWALK ILYPKTLFLL RGNHECRHLT EYFTFKQECK IKYSERVYDA CMDAFDCLPL AALMNQQFLC VHGGLSPEIN TLDDIRKCLR FKEPPAYGPM CDILWSDPLE DFGNEKTQEH FTHNTVRGCS YFYSPAVCE FLQHNNLLSI LRAHEAQDAG YRMYRKSQTT GFPSLITIFS APNYLDVYNN KAAVLKYENN VMNIRQFNCS PHPYWLPNFM DVFTWSLPFV GEKVTEM- LVN VLNICSDEL GSEEDGFDGA TAAARKEVIR NKIRAIGKMA RVFVSLREES ESLVTLKGLT PTGMLPSGVL SGGKQTLQSA IKGFSQHKI TSFEEAKGLD RINERMPPRR DAMPSDANLN
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The PPP3CA solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 20% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**