

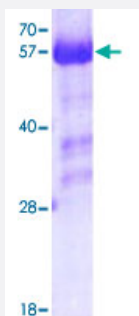
Full-Length

PPP3CA (Human) Recombinant Protein

Catalog # P3563

Size 10 ug

Applications



Specification

Product Description

Human PPP3CA (NP_001124163, 1 a.a. - 511 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHTGSMSEPKAIDPKLSTTDRVVKAVPFPPSHRLTAKEVFDNDGK
PRVDILKAHLMKEGRLEESVALRIITEGASILRQEKNLLDIDAPVTVCGDIHGQFFDLMKLFEVGGG
PANTRYLFLGDYVDRGYFSIECVLYLWALKILYPKTLFLLRGNHECRHLETFYTFKQECKIKYSERVY
DACMDAFDCLPLAALMNQQFLCVHGGLSPEINTLDDIRKLDRFKEPPAYGPMCDILWSDPLEDF
GNEKTQEHFTHNTVRGCSYFYSYPAVCEFLQHNNLLSILRAHEAQDAGYRMYRKSQTTGFPSLITIF
SAPNYLDVYNNKAAVLKYENNVMNIRQFNCSPHPYWLPNFMDFVFTWVSLPFVGEKVTEMLVNVNLI
CSDDELGSEEDGFDGATAAARKEVIRNKIRAIGKMARVFSVLREESESVLTLKGLTPTGMLPSGV
LSGGKQTLQSAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAMPDANLNSINKALTSETNGTDS
NGSNSSNIQ

Host

Escherichia coli

Theoretical MW (kDa)

60

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification

Conventional Chromatography

Concentration

0.25 mg/mL

Purity	> 85% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.2 M NaCl, 1 mM EDTA, pH8.0 (5 mM DTT, 20% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- [SDS-PAGE](#)

Gene Info — PPP3CA

Entrez GeneID	5530
Protein Accession#	NP_001124163
Gene Name	PPP3CA
Gene Alias	CALN, CALNA, CALNA1, CCN1, CNA1, PPP2B
Gene Description	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform
Omim ID	114105
Gene Ontology	Hyperlink
Gene Summary	catalytic subunit
Other Designations	calcineurin A alpha protein phosphatase 3, catalytic subunit, alpha isoform serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)

- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)