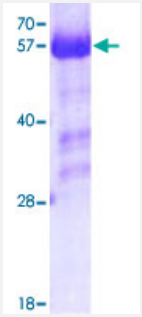
Full-Length

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 PRVDILKAHLMKEGRLEESVALRIITEGASILRQEKNLLDIDAPVTVCGDIHGQFFDLMKLFEVGGS PANTRYLFLGDYVDRGYFSIECVLYLWALKILYPKTLFLLRGNHECRHLTEYFTFKQECKIKYSERVY DACMDAFDCLPLAALMNQQFLCVHGGLSPEINTLDDIRKLDRFKEPPAYGPMCDILWSDPLEDF GNEKTQEHFTHNTVRGCSYFYSYPAVCEFLQHNNLLSILRAHEAQDAGYRMYRKSQTTGFPSLITIF SAPNYLDVYNNKAAVLKYENNVMNIRQFNCSPHPYWLPNFMDVFTWSLPFVGEKVTEMLVNVLNI CSDDELGSEEDGFDGATAAARKEVIRNKIRAIGKMARVFSVLREESESVLTLKGLTPTGMLPSGV LSGGKQTLQSAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAMPSDANLNSINKALTSETNGTDS NGSNSSNIQ
Host	Escherichia coli
Theoretical MW (kDa)	60
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	0.25 mg/mL

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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

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- 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

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