

Recombinant Human PPP3CA, His-tagged

Cat. No. PPP3CA-26743TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Calcineurin A Isoform 2 with an N terminal His tag; 534 amino acids with tag, MWt 60.0 kDa.
Species	Human
Source	E.coli
ProteinLength	511 amino acids
Conjugation	HIS
Molecular Weight	60.000kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.2M Sodium chloride, 5mM DTT, 20mM Tris HCl, 1mM EDTA, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSH TGSMSEPKAIDPKLSTTDRVVKAVPFPPSHRLTAKE VFDNDGKPRVDILKAHLMKEGRLEESVALRIITEGASILRQEKNLDDIDAPVTVCGDIH

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GQFFDLMKLFEVGGSPANTRYLFLGDYVDRGYFSIECVLYLWALKILYPKTLFLLRGN
 HECRHLTEYFTFKQECKIKYSERVYDACMDAFDCLPLAALMNQQFLCVHGGLSPEIN
 TLDDIRKLDRFKEPPAYGPMCDILWSDPLEDFGNEKTQEHFTHNTVRGCSYFYSYP
 AVCEFLQHNNLLSILRAHEAQDAGYRMYRKSQTTGFPSLITIFSAPNYLDVYNNKAAV
 LKYENNVMNIRQFNCSPPHYWLPNFMDFVFTWSLPPFVGEKVTEMLVNVLNICSDDEL
 GSEEDGFDGATAAARKEVIRNKIRAIGKMARVFSVLREESESVLTLKGLTPTGMLPS
 GVLSSGGKQTLQSAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAMPDANLNSINK
 ALTSETNGTDSNGSNSNNIQ

**Sequence
Similarities**

Belongs to the PPP phosphatase family. PP-2B subfamily.

GENE INFORMATION

Gene Name [PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme \[Homo sapiens \]](#)

Official Symbol [PPP3CA](#)

Synonyms PPP3CA; protein phosphatase 3, catalytic subunit, alpha isozyme; CALN, CALNA, protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform , protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha); serine/thr

Gene ID [5530](#)

mRNA Refseq [NM_000944](#)

Protein Refseq [NP_000935](#)

MIM [114105](#)

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Uniprot ID	Q08209
Chromosome Location	4q24
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent protein serine/threonine phosphatase activity; calmodulin binding; hydrolase activity; protein binding;

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