

Active Recombinant Human PPP3CA protein, His-tagged

Cat. No. PPP3CA-7365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PPP3CA protein(Q08209-1) (Ser2-Gln521) was expressed in Insect Cells, fused with a polyhistide tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	2-521 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol.
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of human PPP3CA-His bound to Human PPIA-His was 0.9 nM.
Molecular Mass	The recombinant human PPP3CA consists of 538 amino acids and has a calculated molecular mass of 60.8 kDa. The recombinant protein migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 94 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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/threonine-protein phosphatase 2B catalytic subunit alpha isoform; calcineurin A alpha; CNA1; PPP2B; protein phosphatase 2B; catalytic subunit; alpha isoform; CAM-PRP catalytic subunit; calmodulin-dependent calcineurin A subunit alpha isoform; protein phosphatase 2B, catalytic subunit, alpha isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform; CALN; CCN1; CALNA; CALNA1;

Gene ID [5530](#)

mRNA Refseq [NM_000944](#)

Protein Refseq [NP_000935](#)

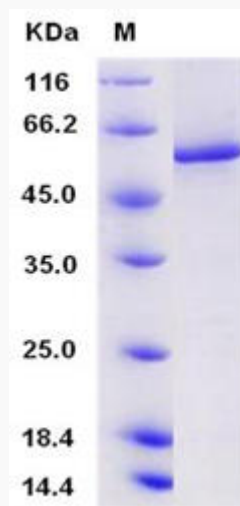
MIM [114105](#)

UniProt ID [Q08209](#)

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SDS-PAGE

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