

## Active Recombinant Human PPP3CA protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human PPP3CA protein(Q08209-1) (Ser2-Gln521) was expressed in Insect Cells, fused with a polyhistide tag at the N-terminus.                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                             |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 2-521 aa                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol.                                                                                                                                             |
| <b>Bio-activity</b>     | Using the Octet RED System, the affinity constant (Kd) of human PPP3CA-His bound to Human PPIA-His was 0.9 nM.                                                                                                    |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                    |
| <b>Purity</b>           | > 94 % as determined by SDS-PAGE.                                                                                                                                                                                 |
| <b>Storage</b>          | 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.                              |

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**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](#)

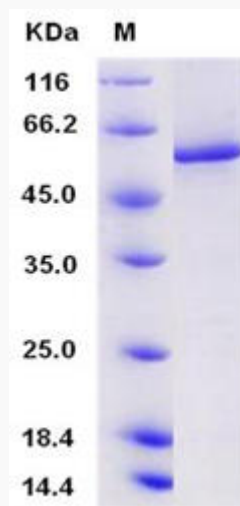
**UniProt ID** [Q08209](#)

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SDS-PAGE



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