

# Recombinant Human PPP3CA, GST-tagged

**Cat. No.** PPP3CA-1922H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human PPP3CA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-302aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

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| <b>Gene Name</b>       | PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme [ Homo sapiens ]                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | PPP3CA                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | 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 |

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|                            | 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;                              |
| <b>Gene ID</b>             | 5530                                                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_000944                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_000935                                                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>                 | 114105                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | Q08209                                                                                                                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 4q24                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; |
| <b>Function</b>            | calcium ion binding; calmodulin binding; calmodulin binding; calmodulin-dependent protein phosphatase activity; drug binding; enzyme binding; hydrolase activity; protein binding; protein dimerization activity; protein heterodimerization activity; protein                                                                                                |