



# Recombinant Rat Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform (Ppp2ca)

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| <b>Product Code</b>      | CSB-MP018559RA   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P63331   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MDEKLFTKEL DQWIEQLNEC KQLSESQVKS LCEKAKEILT KESNVQEVRC<br>PVTVCGDVHG QFHDLMELFR IGGKSPDTNY LFMGDYVDRG YYSVETVTL<br>VALKVRYRER ITILRGNHES RQITQVYGFY DECLRKYGNA NVWKYFTDLF<br>DYLPLTALVD GQIFCLHGGL SPSIDTLDHI RALDRLQEVP HEGPMC DLLW<br>SDPDDRGGWG ISPRGAGYTF GQDISETFNH ANGLTLVSRA HQLVMEGYNW<br>CHDRNVVTIF SAPNYCYRCG NQAAIMELDD TLKYSFLQFD PAPRRGEPHV<br>TRRTPDYFL  |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | Ppp2ca   |
| <b>Protein Names</b>     | Recommended name: Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform Short name= PP2A-alpha EC= 3.1.3.16  |
| <b>Expression Region</b> | 1-309  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.