



# Recombinant Mouse Gamma-enolase (Eno2)

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| <b>Product Code</b>      | CSB-EP007672MO-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Uniprot No.</b>       | P17183                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>          | MSIEKIWARE ILDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALELR<br>DGDKQRYLGK GVLKAVDHIN SRIAPALISS GISVVEQEKL DNLMLELDGT<br>ENKSKFGANA ILGVSLAVCK AGAAERDLPL YRHIAQLAGN SDLILPVPAF<br>NVINGGSHAG NKLAMQEFMI LPVGAESFRD AMRLGAEVYH TLKGVKDKY<br>GKDATNVGDE GGFAPNILEN SEALELVKEA IDKAGYTEKM VIGMDVAASE<br>FYRDGKYDLD FKSPADPSRY ITGDQLGALY QDFVRNYPVV SIEDPFDQDD<br>WAAWSKFTAN VGIQIVGDDL TVTNPKRIER AVEEKACNCL LLKVNQIGSV<br>TEAIQACKLA QENGWGVMS HRSGETEDTF IADLVVGLCT GQIKTGAPCR<br>SERLAKYNQL MRIEEEELGDE ARFAGHNFRN PSVL |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Target Names</b>      | Eno2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Names</b>     | Recommended name: Gamma-enolase EC= 4.2.1.11 Alternative name(s): 2-phospho-D-glycerate hydro-lyase Enolase 2 Neural enolase Neuron-specific enolase Short name= NSE                                                                                                                                                                                                                                                                                                                                                 |
| <b>Expression Region</b> | 1-434                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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 one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.                                                                                                                                                                                                                                          |
| <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.                                                                                                                                                                                                                                      |