



# Recombinant Rat Alpha-enolase (Eno1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP007670RA-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P04764  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SILKIHARE IFDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALELR<br>DNDKTRFMGK GVSKAVEHIN KTIAPALVSK KLNVEVEKEI DQLMIEMDGT<br>ENKSKFGANA ILGVSLAVCK AGAVEKGVPL YRHIADLAGN PEVILPVPF<br>NVINGGSHAG NKLAMQEFMI LPVGASSFRE AMRIGAEVYH NLKNVIKEY<br>GKDATNVGDE GGFAPNILEN KEALELLKSA IAKAGYTDQV VIGMDVAASE<br>FYRAGKYDLD FKSPDDASRY ITPDQLADLY KSFIDYDYPVV SIEDPFDQDD<br>WDAWQKFTAT AGIQVVGDDL TVTNPKRIAK AAGEKSCNCL LLKVNQIGSV<br>TESLQACKLA QSNWGVVMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR<br>SERLAKYNQI LRIEEEELGSK AKFAGRSFRN PLAK  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | Eno1  |
| <b>Protein Names</b>     | Recommended name: Alpha-enolase EC= 4.2.1.11 Alternative name(s): 2-phospho-D-glycerate hydro-lyase Enolase 1 Non-neural enolase Short name= NNE  |
| <b>Expression Region</b> | 2-434   |
| <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 of Mature Protein   |
| <b>Target Details</b>    | This gene encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter. A pseudogene has been identified that is located on the other arm of the same chromosome. |
| <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.