



# Recombinant Chicken Beta-enolase (ENO3)

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| <b>Product Code</b>      | CSB-BP007673CH   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P07322   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Gallus gallus (Chicken)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SIQKIHARE ILDSRGEPTV EVDLHTAKGH FRAAVPSGAS TGIHEALEPR<br>DGDKKRFLGK GVLKAVEHIN KTIGPALIEK KISVVEQEKI DKVMIEMDGT<br>ENKSKFGANA ILGVSLAVCK AGAAEKGVPL YRHIADLAGN TELILPVPAF<br>NVINGGSHAG NKLAMQEFMV LPVGAASFHD AMRVGAEVYH SLKGVIKAKY<br>GKDATNVGGE GGFAPNILDN HEALELLKAA IAQAGYTDKV VIGMDVAASE<br>FCRDGRYHLD FKSPPHTKRY ITGEQLGEIY RGFIKDYPVV SIEDPFDQDD<br>WEAWKRFVFH VDIQVVGDDL TVTNPKRIAH GAEQHACNCL LLKVNQIGSV<br>TESIQACKLA QSHGWGVMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR<br>SERLAKYNQL MRIEEALGDK AKFAGRKFRN PKAK |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | ENO3   |
| <b>Protein Names</b>     | Recommended name: Beta-enolase EC= 4.2.1.11 Alternative name(s): 2-phospho-D-glycerate hydro-lyase Phosphopyruvate hydratase   |
| <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 the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Two transcripts have been identified for this gene that differ only in their 5 UTR.   |
| <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.  |