



# Recombinant Rat D-3-phosphoglycerate dehydrogenase (Phgdh)

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| <b>Product Code</b>      | CSB-EP017920RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Uniprot No.</b>       | O08651                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sequence</b>          | <p>AFANLRKIL ISDSLDPCCR KILQDGGGLQV VEKQNLSKEE LIAELQDCEG</p> <p>LIVRSATKVT ADVINAAEKL QVVGRAGTGV DNVLDLEATR KGVLMNTPN</p> <p>GNSLSAAELT CGMLMCLARQ IPQATASMKD GKWDRKKFMG TELNGKTLGI</p> <p>LGLGRIGREV AARMQAFGMK TVGYDPIISP EVAASFGVQQ LPLEEIWPLC</p> <p>DFITVHTPLL PSTTGLLNDS TFAQCKKGVR VVNCARGGIV DEGALLRALQ</p> <p>SGQCAGAALD VFTEEPPRDR ALVDHENVIS CPHLGASTKE AQSRCGEEIA</p> <p>VQFVDMVKGK SLTGVVNAQA LTSAFSPHTK PWIGLAEALG TLMHAWAGSP</p> <p>KGTIQVVTQG TSLKNAGTCL SPAVIVGLLR EASKQADVNL VNAKLLVKEA</p> <p>GLNVTTSHP GVPGEQGIGE CLLTVALAGA PYQAVGLVQG TTPMLQMLNG</p> <p>AVFRPEVPLR RGQPLLLFRA QPSDPVMLPT MIGLLAEAGV QLLSYQTSKV</p> <p>SDGDTWHVMG LSSLLPSLDA WKQHVSEAFQ FCF</p> |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target Names</b>      | Phgdh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Names</b>     | Recommended name: D-3-phosphoglycerate dehydrogenase Short name= 3-PGDH EC= 1.1.1.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Expression Region</b> | 2-533                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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>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>        | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                         |