



# Recombinant Escherichia coli O139:H28 Triosephosphate isomerase (tpiA)

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| <b>Product Code</b>      | CSB-MP024102EJD                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot No.</b>       | A7ZUD3                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | Escherichia coli O139:H28 (strain E24377A / ETEC)                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequence</b>          | MRHPLVMGNW KLNGSRHMVH ELVSNLRKEL AGVAGCAVAI APPEMYIDMA<br>KREAEGSHIM LGAQNVDLNL SGAFTGETSA AMLKDIGAQY IIIGHSERRT<br>YHKESDELIA KFAVLKEQG LTPVLCIGET EAENEAGKTE EVCARQIDAV<br>LKTQGAAAFE GAVIAYEPVW AIGTGKSATP AQAQAVHKFI RDHIAKVDAN<br>IAEQVIIQYG GSVNASNAAE LFAQPDIDGA LVGGASLKAD AFAVIVKAAE<br>AAKQA                                                                                                                  |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | tpiA                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Names</b>     | Recommended name: Triosephosphate isomerase Short name= TIM EC=<br>5.3.1.1 Alternative name(s): Triose-phosphate isomerase                                                                                                                                                                                                                                                                                              |
| <b>Expression Region</b> | 1-255                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                |