

Recombinant Human TPI1 Protein, His-tagged

TPI1-640H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant Human TPI1(Met1~Gln286) fused with His tag at N-terminal was expressed in E. coli.

Description This gene encodes an enzyme, consisting of two identical proteins, which catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. Mutations in this gene are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants.

Source E. coli

Species Human

Tag His

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 34.5kDa

Protein length Met1~Gln286

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >95%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

Gene Information

Gene Name [TPI1 triosephosphate isomerase 1 \[Homo sapiens \]](#)

Official Symbol [TPI1](#)

Synonyms TPI1; triosephosphate isomerase 1; triosephosphate isomerase; triose-phosphate isomerase;

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TIM; TPI; MGC88108;

Gene ID	7167
mRNA Refseq	NM_000365
Protein Refseq	NP_000356
UniProt ID	P60174

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