

Recombinant Human TPI1 Protein, His-tagged

Cat. No. TPI1-640H **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.
Species	Human
Source	E.coli
ProteinLength	Met1~Gln286
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	34.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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; TIM; TPI; MGC88108;

Gene ID

[7167](#)

mRNA Refseq

[NM_000365](#)

Protein Refseq

[NP_000356](#)

UniProt ID

[P60174](#)

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