

Recombinant Human TPI1 Protein, His-tagged

Cat. No. TPI1-305H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPI1(Met1-Gln249) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-249 a.a.
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	20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	28.8 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

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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