

RP02792LQ

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Recombinant Human Triosephosphate isomerase/TPI1 Protein

Catalog No.: RP02792LQ

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	7167	P60174

Tags

N-His

Synonyms

Triosephosphate Isomerase; TIM;
Triose-Phosphate Isomerase; TPI1; TPI

Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

Endotoxin

<1EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 8.0.

Reconstitution

Background

Triose-phosphate isomerase, also named Triose-phosphate isomerase, TPI and TIM, is an enzyme that catalyzes the reversible interconversion of the triose phosphate isomers dihydroxyacetone phosphate and D-glyceraldehyde 3-phosphate. TPI has been found in nearly every organism searched for the enzyme, including animals such as mammals and insects as well as in fungi, plants, and bacteria. However, some bacteria that do not perform glycolysis, like ureaplasmas, lack TPI. TPI plays an important role in glycolysis and is essential for efficient energy production. TPI deficiency is an autosomal recessive disorder and the most severe clinical disorder of glycolysis. Triose phosphate isomerase deficiency is associated with neonatal jaundice, chronic hemolytic anemia, progressive neuromuscular dysfunction, cardiomyopathy and increased susceptibility to infection and characterized by chronic hemolytic anemia.

Basic Information

Description

Recombinant Human Triosephosphate isomerase/TPI1 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Gln249) of human Triosephosphate isomerase/TPI1 (Accession #NP_000356.1) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

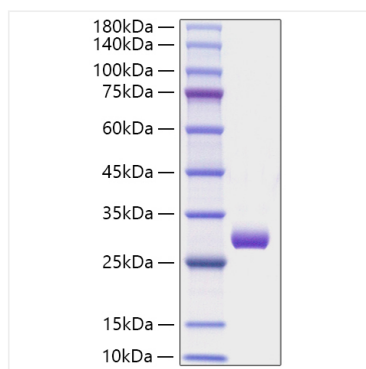
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human
Triosephosphate isomerase/TPI1
Protein was determined by SDS-
PAGE with Coomassie Blue, showing
bands at 25-35 kDa.