Recombinant Human Triosephosphate isomerase /TPI1 Protein

Catalog No.: RP02792LQ

Sequence Information

Species
Human

Gene ID
7167

Swiss Prot
P60174

Tags
N-His

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

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
28.8 kDa

Observed MW
30 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

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 *E. coli* 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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

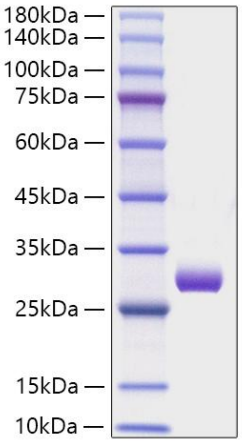
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Triosephosphate isomerase/TPI1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.