Datasheet for ABIN7319115

TPI1 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	TPI1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPI1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TPI1/TIM Protein (His Tag)
Sequence:	Met 1-Gln249
Characteristics:	Recombinant Human Triosephosphate Isomerase is produced by our E.coli expression system and the target gene encoding Met1-Gln249 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TPI1
Alternative Name:	TPI1/TIM (TPI1 Products)
Background:	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

Target Details

	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. Synonym: Triosephosphate Isomerase, TIM, Triose-Phosphate Isomerase, TPI1, TPI
Molecular Weight:	28.8 kDa
UniProt:	P60174
Pathways:	Cell RedoxHomeostasis

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 1 mM DTT, 10 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.