



Recombinant Chicken Triosephosphate isomerase (TPI1)

Product Code	CSB-EP024102CH-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P00940
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	>85% (SDS-PAGE)
Sequence	APRKFFVGG NWKMNGDKKS LGELIHTLNG AKLSADTEVV CGAPSIYLDF ARQKLDKIG VAAQNCYKVP KGAFTEISP AMIKDIGAAW VILGHSERRH VFGESDELIG QKVAHALAEG LGVIACIGEK LDEREAGITE KVVFEQTKAI ADNVKDWSKV VLAYEPVWAI GTGKTATPQQ AQEVHEKLRG WLKSHVSDAV AQSTRIIYGG SVTGGNCKEL ASQHVDVDGFL VGGASLKPEF VDIINAKH
Source	E.coli
Target Names	TPI1
Protein Names	Recommended name: Triosephosphate isomerase Short name= TIM EC= 5.3.1.1 Alternative name(s): Triose-phosphate isomerase
Expression Region	2-248
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.