

Triosephosphate Isomerase 1 Human Recombinant, Active

Item Number	rAP-1209
Synonyms	TPI, TIM, Triosephosphate Isomerase 1.
Description	TPI1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 269 amino acids (1-249a.a.) and having a molecular mass of 28.8kDa.TPI1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P60174
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAPSRKFFVG GNWKMNQRKQ SLGELIGTLN AAKVPADTEV VCAPPTAYID FARQKLDPKI AVAAQNCYKV TNGAFTGEIS PGMKDCGAT WVLGHSEERR HVFGESEDELI GQKVAHALAE GLGVIACIGE KLDEREAGIT EKVVFQTKV IADNVKDWSK VVLAYEPVWA IGTGKTATPQ QAQEVHEKLR GWLKSNSVSDA VAQSTRIYG GSVTGATCKE LASQPDVDGF LVGGASLK- PE FVDIINAKQ
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The TPI1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 3000 units/mg, in which one unit will convert 1.0 umole of D-glyceraldehyde-3-phosphate to dihydroxyacetone phosphate per minute at pH 7.5 at 25C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**