

Recombinant Full Length Human TPI1 Protein, C-Flag-tagged

Cat. No. TPI1-1400HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TPI1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	26.5 kDa
AA Sequence	MAPSRKFFVGGNWKMNGRKQSLGELIGTLNAAKVPADTEVVCAPPTAYIDFARQKL DPKIAVAAQNCYKV TNGAFTGEISPGMIKDCGATWVVLGHSERRHVFGESEDELIGQ KVAHALAEGLGVIACIGEKLDEREAGIT EKVVFQTKVIADNVKDWSKVVLAYEPVW AIGTGKTATPQQAQEVHEKLRGWLKSNVSDAVAQSTRIYG GSVTGATCKELASQPVDVGFLVGGASLKPEFVDIINAKQTRTRPLEQKLISEEDLAAN DILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Inositol phosphate metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	TPI1 triosephosphate isomerase 1 [Homo sapiens (human)]
Official Symbol	TPI1
Synonyms	TIM; TPI; TPID; HEL-S-49
Gene ID	7167
mRNA Refseq	NM_000365.6
Protein Refseq	NP_000356.1

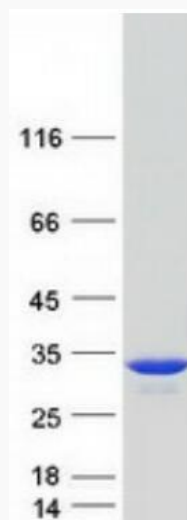
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MIM 190450

UniProt ID P60174



Coomassie blue staining of purified TPI1 protein.

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