Recombinant Full Length human TKT protein,His-tagged

Cat. No. TKT-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length human TKT protein,His-tagged was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-623 aa
Description	TKT, also known as transketolase, is a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Multiple alternatively spliced variants,encoding the same protein, have been identified. Recombinant human TKT protein, fused to His-tag at Nterminus, was expressed in E. coli and purified by using conventional chromatography techniqu.
Tag	His
Molecular Mass	70 kDa
AA Sequence	MESYHKPDQQ KLQALKDTAN RLRISSIQAT TAAGSGHPTS CCSAAEIMAVLFFHTMRYKS QDPRNPHNDR FVLSKGHAAP ILYAVWAEAG FLAEAELLNL RKISSDLDGH PVPKQAFTDV ATGSLGQGLG AACGMAYTGK YFDKASYRVY CLLGDGELSE GSVWEAMAFA SIYKLDNLVA ILDINRLGQS DPAPLQHQMD IYQKRCEAFG WHAIIVDGHS VEELCKAFGQ AKHQPTAIIA KTFKGRGITG VEDKESWHGK

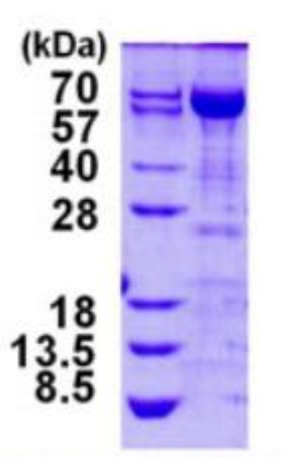
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	PLPKNMAEQI IQEIYSQIQS KKKILATPPQ EDAPSVDIAN IRMPSLPSYK VGDKIATRKA YGQALAKLGH ASDRIIALDG DTKNSTFSEI FKKEHPDRFI ECYIAEQNMV SIAVGCATRN RTVPFCSTFA AFFTRAFDQI RMAAISESNI NLCGSHCGVS IGEDGPSQMA LEDLAMFRSV PTSTVFYPSD GVATEKAVEL AANTKGICFI RTSRPENAII YNNNEDFQVG QAKVVLKSKD DQVTVIGAGV TLHEALAAAE LLKKEKINIR VLDPFTIKPL DRKLILDSAR ATKGRILTVE DHYYEGGIGE AVSSAVVGEP GITVTHLAVN RVPRSGKPAE LLKMFGIDRD AIAQAVRGLI TKA
Purity	> 85% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Bradford assay)
Storage Buffer	Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M Nacl, 1mM DTT
References	Choudhary C. et al. (2009) Science 325:834-840.

GENE INFORMATION

Gene Name	TKT transketolase [Homo sapiens (human)]

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Official Symbol	TKT
Synonyms	Transketolase, TK, TKT1,TKT
Gene ID	7086
mRNA Refseq	NM_001064
Protein Refseq	NP_001055
UniProt ID	P29401
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.	 15% SDS-PAGE(3ug)

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