

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

Cat. No. TKT-2124HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TKT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.7 kDa
AA Sequence	<p>MESYHKPDQQKLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMR</p> <p>YKSQDPRNPHNDR FVLSKGHAAPILYAVWAEAGFLAEALLNLRKISSDLDGHPVP</p> <p>KQAFSTDVATGSLGQGLGAACGMAYTGK YFDKASYRVYCLLDGELSEGSSWEAM</p> <p>AFASIYKLDNLVAILDINRLGQSDPAPLQHQMIDIYQKRCEAFG WHAIIVDGHSVEELC</p> <p>KAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIQEIYSQIQS KKK</p> <p>ILATPPQEDAPSVDIANIRMPSLPSYKVGDKIATR KAYGQALAKLGHASDRIIALDGDT</p> <p>KNSTFSEI FKKEHPDRFIECYIAEQNMVSI AVGCATRNRTVPFCSTFAAFFTRAFDQI</p> <p>RMAAISESNINLCGSHCGVS IGEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEK</p> <p>AVELAANTKGICFIRTSRPENAIYNNNEDFQVG QAKVVLKSKDDQVTVIGAGVTLHE</p>

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ALAAAEELLKKEKINIRVLPFTIKPLDRKLILDSARATKGRILTVE DHYYEGGIGEAVSS
AVVGEPGITVTHLAVNRVPRSGKPAELLKMFGIDRDAIAQAVRGLITKA TRTRPLEQK
LISEEDLAANDILDYKDDDDKV

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 Families	Druggable Genome
Protein Pathways	Metabolic pathways, Pentose phosphate pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	TKT transketolase [Homo sapiens (human)]
Official Symbol	TKT
Synonyms	TK; TKT1; SDDHD; HEL107; HEL-S-48
Gene ID	7086

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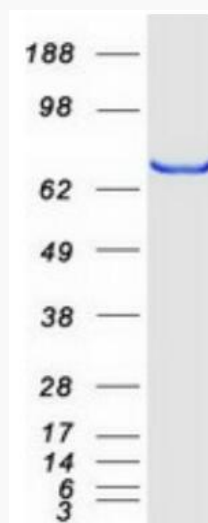
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mRNA Refseq [NM_001064.4](#)

Protein Refseq [NP_001055.1](#)

MIM [606781](#)

UniProt ID [P29401](#)



Coomassie blue staining of purified TKT protein.

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