

## Product datasheet for **TP326037**

### Transketolase (TKT) (NM\_001135055) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transketolase (TKT), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226037 representing NM_001135055 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MESYHKPDQKQLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMRYKSQDPRNPHNDR  
FVLSKGHAAPILYAVWAEAGFLAEAELLNLRKISSDLDGHPVVPKQAFSTDVATGSLGQGLGAACGMAYTGK  
YFDKASYRVYCLLDGELSEGSVWEAMAFASIYKLDNLVAILDINRLGQSDPAPLQHQMIDIYQKRCEAFG  
WHAIIVDGHVVEELCKAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIEIYSQIQS  
KKKILATPPQEDAPSVDIANIRMPSLPSYKVGDKIATR KAYGQALAKLGHASDRRIALDGDTKNSTFSEI  
FKKEHPDRFIECYIAEQNMVSIAVGCATRNRTVPCSTFAAFFTRAQDQIRMAAISESNINLCGSHCGVS  
IGEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVELAANTKGICFIRTSR PENAIYNNNEDFQVG  
QAKVVLKSKDDQVTIGAGVTLHEALAAAELLKKEKINIRVLDPFTIKPLDRKILDSARATKGRILTVE  
DHYEYEGGIGEA VSSAVWGP GITVTHLAVNRVPRSGKPAELLKMFGIDRDAIAQAVRGLITKA

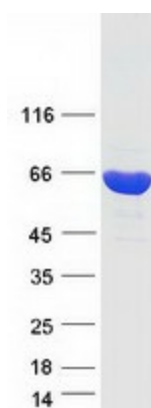
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	67.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001128527</a>
<b>Locus ID:</b>	7086
<b>UniProt ID:</b>	<a href="#">P29401</a> , <a href="#">V9HWD9</a>
<b>Cytogenetics:</b>	3p21.1
<b>RefSeq ORF:</b>	1869
<b>Synonyms:</b>	HEL-S-48; HEL107; SDDHD; TK; TKT1
<b>Summary:</b>	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. [provided by RefSeq, Apr 2012]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Pentose phosphate pathway

**Product images:**

Coomassie blue staining of purified TKT protein (Cat# TP326037). The protein was produced from HEK293T cells transfected with TKT cDNA clone (Cat# [RC226037]) using MegaTran 2.0 (Cat# [TT210002]).