

Product datasheet for PH326037

Transketolase (TKT) (NM_001135055) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TKT MS Standard C13 and N15-labeled recombinant protein (NP_001128527)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226037
Predicted MW:	67.7 kDa
Protein Sequence:	>RC226037 representing NM_001135055 Red=Cloning site Green=Tags(s)

MESYHKPDQKQLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMRYKSQDPRNPHNDR
FVLSKGHAAPILYAVWAEAGFLAEAEALLNLRKISSDLGDGHPVPKQAFDVTGSLGQGLGACGMAYTGK
YFDKASYRVYCLLDGDELSEGSVWEAMAFASIYKLDNLVAILDINRLGQSDPAPLQHQMDIYQKRCEAFG
WHAIIVDGHSVEELCKAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIEIYSQIQS
KKKILATPPQEDAPSVDIANIRMPPLSYKVGDKIATRKAYGQALAKLGHASDRIALDGDTKNSTFSEI
FKKEHPDRFIECYIAEQNMVSIAVGCATRNRTVPFCSTFAAFFTRAFDQIRMAAISESNINLCGSHCGVS
IGEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVELAANTKGICFIRTSRPENAIINYNNEDFQVG
QAKVVLKSKDDQVTIGAGVTLHEALAAAELLKKEKINIRVLDPFITIKPLDRKILDSARATKGRILTVE
DHYEYEGGIGEAVSSAVVGEPGITVTHLAVNRVPRSGKPAELLKMFIDRDAIAQAVRGLITKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

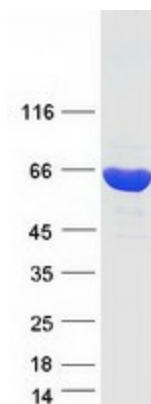
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001128527
RefSeq ORF:	1869
Synonyms:	HEL-S-48; HEL107; SDDHD; TK; TKT1



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Locus ID:	7086
UniProt ID:	P29401 , V9HWD9
Cytogenetics:	3p21.1
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	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]).