

Product datasheet for PH303497

Transketolase (TKT) (NM_001064) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TKT MS Standard C13 and N15-labeled recombinant protein (NP_001055)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203497
Predicted MW:	67.9 kDa
Protein Sequence:	>RC203497 protein sequence Red=Cloning site Green=Tags(s)

MESYHKPDQKQLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMRYKSQDPRNPHNDR
FVLSKGHAAPILYAVWAEAGFLAEAEALLNLRKISSDLDGHPVPKQAFDVTGSLGQGLGACGMAYTGK
YFDKASYRVYCLLDGELSEGSVWEAMAFASIYKLDNLVAILDINRLGQSDPAPLQHQMIDIYQKRCEAFG
WHAIIVDGHVSVEELCKAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIEIYSQIQS
KKKILATPPQEDAPSVDIANIRMPPLSYKVGDKIATRKAYGQALAKLGHASDRIALDGDTKNSTFSEI
FKKEHPDRFIECYIAEQNMVSIAVGCATRNRTVPFCSTFAAFFTRAFDQIRMAAISESNINLCGSHCGVS
IGEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVELAANTKGICFIRTSRPENAIINYNNEDFQVG
QAKVVLKSKDDQVTVIGAGVTLHEALAAAELLKKEKINIRVLDPFITIKPLDRKILDSARATKGRILTVE
DHYYEGGIGEAVSSAVVGEPGITVTHLAVNRVPRSGKPAELLKMGFIDRDAIAQAVRGLITKA

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001055
RefSeq Size:	2179
RefSeq ORF:	1869



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Synonyms: HEL-S-48; HEL107; SDDHD; TK; TKT1

Locus ID: 7086

UniProt ID: [P29401](#), [V9HWD9](#)

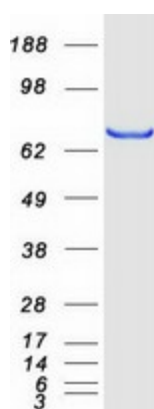
Cytogenetics: 3p21.1

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# [TP303497]). The protein was produced from HEK293T cells transfected with TKT cDNA clone (Cat# [RC203497]) using MegaTran 2.0 (Cat# [TT210002]).