

Product datasheet for **TP305557**

TKTL2 (NM_032136) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transketolase-like 2 (TKTL2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205557 protein sequence Red =Cloning site Green =Tags(s)

MMANDAKPDVKTQVLRDTANRLRIHSIRATCASGSGQLTSCCSAAEVSVLFFHTMKYKQTDPEHPDN
D
RFILSRGHAAPILYAAWVEVGDISDLLNLRKLHSDLERHPTPRLPFVDVATGSLGQGLGTACGMAYTG
KYLDKASYRVFCLMGDGESSEGSVWEAFASHYNLDNLVAVFDVNRLGQSGPAPLEHGADIYQNCCEAF
GWNTYLVDGHDVEALCQAFWQASQVKNKPTAIVAKTFKGRGIPNIEDAENWHGKVPKERADAIVKLIES
QIQTNENLIPKSPVEDSPQISVTDIKMTSPHAYKVGDKIATQKTYGLALAKLGRANERVIVLSGDTMNST
FSEIFRKEHPERFIECIAEQNMVSVALGCATRGRTIAFAGAAFFTRAFDQLRMGAISQANINLIGSH
CGVSTGEDGVSQMALEDLAMFRSIPNCTVFYPSDAISTEHAIYLAANTKGMCFIRTSQPETAVIYTPQEN
FEIGQAKVVRHGVNDKVTVIGAGVTLHEALEAADHLSQQGISVRVIDPFTIKPLDAATIISAKATGGRV
ITVEDHYREGGIGEAVCAAVSREPDILVHQLAVSGVPQRGKTSELLDMFGISTRHIIAAVTLTLMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

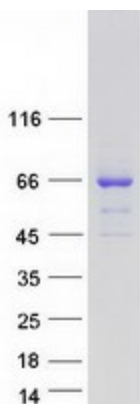
Tag:	C-Myc/DDK
Predicted MW:	67.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115512
Locus ID:	84076
UniProt ID:	Q9H0I9
RefSeq Size:	2837
Cytogenetics:	4q32.2
RefSeq ORF:	1878
Summary:	Plays an essential role in total transketolase activity and cell proliferation in cancer cells; after transfection with anti-TKTL1 siRNA, total transketolase activity dramatically decreases and proliferation was significantly inhibited in cancer cells. Plays a pivotal role in carcinogenesis. [UniProtKB/Swiss-Prot Function]
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway

Product images:



Coomassie blue staining of purified TKTL2 protein (Cat# TP305557). The protein was produced from HEK293T cells transfected with TKTL2 cDNA clone (Cat# [RC205557]) using MegaTran 2.0 (Cat# [TT210002]).