

## Product datasheet for **TP518388**

### Tktl2 (NM\_028927) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transketolase-like 2 (Tktl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218388 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MALARDAKLESDFQVLQDVANRLRIHSIRATCACSSGHPTSCCSVAEIMAVLFFHTMRYKQADPEHPDN  
DRFVLSKGHAAPILYAVWVEVGRICESDLLNLRKIHCDELGHPTRLSFVDVATGSLGQGLGAACGMAYT  
GKYFDKASYRVFCLMGDGESEGSVWEALAFASHYNLDNLVAIFDVNRLGQSGTAPLEHCTAVYEKRCQA  
FGWNTYVVDGHDVEALCQAFWKAQVKNKPTALIAKTFKGRGIPNVEDAENWHGKMPKDRADGIVKLIE  
NRIQTNRNLTPKPIEDSPRISMSNTKMTSLPVYKLGDMIATREAYGLALAKLGQSNQRVIVLDGDTKNS  
TFSEVFKKEHPERFIECFIAEQNMVSVALGCATRGRITAFVSTFAAFLTRAFDQIRMGAIQTNINFVGS  
HCGVSVGEDGPSQMALEDLAMFRSIPNCTVFYPSDAVSTEHAVYLAANTKGMCFIRTRPKTAVIYTAEE  
NFVIGQAKVIRQSAVDKVTVIGAGVTLHEALVAAEELSQQGIFIRVIDLFTIKPLDAVTIIQSAKATGGQ  
IITVEDHYREGGIGEAVCAAISREPDIVRQLAVTEVPRSGKPSSELLDMFGISARHIIAAVKDVTVMK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	68.5 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_083203](#)

Locus ID: 74419

UniProt ID: [Q9D4D4](#), [A0A0R4J2A3](#)

RefSeq Size: 2039

Cytogenetics: 8 B3.1

RefSeq ORF: 1884

Synonyms: 4933401119Rik

**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 (By similarity).[UniProtKB/Swiss-Prot Function]