

Product datasheet for TP510914

Telo2 (NM_001163661) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse telomere maintenance 2 (Telo2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210914 representing NM_001163661 Red =Cloning site Green =Tags(s) MDPALSAVRLTVQEAHILSSSEDAGHILSTLGTKRYLGGTEDPVLPEEKEEFATVHFSAVLRCLVSKL SPGWLELSPGGQLERLWESFFLDGPPDQAFVLVMEAIESTAGPSFRLMKMAQLLDTFLSTGRVAALMEEQ CRPQTKPSFPLFQETLLSKVVGLPDLLGNCLQRDNLTFPPQNYFPLLGQEVVQALKAVVNFLQDGLDCS VSFVSRVLGKVCIQGRKREILSVLPQLTVLTQDSCLWQRCWRLVEQVPDRAVEAVLTGLVEAAPRPEV LSRLLGNLVKNKKARFVTRKLLLLQYQHHTPMVQSLLGYLALDSQRRPLLIQVLKELLETWGCSSAVR HTPLEQQCYISKAILVCLAHLGEPELQDIRDELLASMMAGVKCRLDSSLPPVRRGLMIVAIEVISSRIHPE GPLLKQFYEDDEMSRELLALATPEPAGDCSSVSRGSPAPVDTESPVEMPEKAVESDVPPTQPQGSDEL DSDDEFIPYDMSGDRELKSSKEPLYIRDCVEALTSEDMERWEASLKGLEGLVYRSPTATREVSVELAKV LLHLEEKTCVAEFEQLRQSALVAVTVTDPEQVAKYLTSQFYGLNYSRLRQMDILDVLVLAQAALSRPKSL QRRSQHGPPVPGTMCSPALAVSQTGNAAPDWQVVEERIRSKTRRFSGKCPQRELSGVPNEFSSVAGYF FFPLLQHFDRPLVTFDLLGDDQLVLGRLTHTLASLMYLAVNTTVAVPMGKALLEFVWALRFHVDIYVRRG LLSAVSSVLLSVPTERLLGDLPELLEARSWLADVAEKDVEDDCRELAVRALLLLERLKDKLSSSSSPQP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	93.8 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.


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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_001157133
Locus ID:	71718
UniProt ID:	Q9DC40
RefSeq Size:	3531
Cytogenetics:	17 A3.3
RefSeq ORF:	2520
Synonyms:	1200003M09Rik; AI415602; mKIAA0683; Tel2
Summary:	Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals. May be involved in telomere length regulation (By similarity).[UniProtKB/Swiss-Prot Function]