

Product datasheet for **TP510382**

Polk (BC052820) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse polymerase (DNA directed), kappa (cDNA clone MGC:60610 IMAGE:30057338), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210382 protein sequence Red =Cloning site Green =Tags(s)

MDNTEKEDNFKDDLLLRMGLNDNKAGMEGLDKEKINKIIMEATKGSRFYEYDPNFMAMSLDEAYLNITQH
LQERQDWPEDKRRYFIKMGNYLKIDTPRQEANELTEYERSISPLLFEDSPPDLQPQGSPFQLNSEEQNNP
QIAQNSVVFGTSAEEVVKEIFRIEQKTTLTASAGIAPNTMLAKVCSDKNKPNQYQILPSRSVMDFIK
DLPIRKVSGIGKVTEKMLMALGIVTCTELYQQRALLSLLFSETSWHYFLHIALGLGSTD LARDGERKSMS
VERTFSEISKTEEQYSLCQELCAELAHDLQKEGLKGRVTIKLKNVNFVKTRASTVPAAIATAEEIFAI
AKELLRTEVNVGSPHPLRLRLMGV RMSTFSEDDRKHQQRSIIGFLQAGNQALSSTGGSLDKTAKTELA
PLEMSHKKSFFDKKRSERISNCQDTSRCKTAGQQALQILEPSQALKKLSQSFETSENSNDCQTFICPVCF
REQEGVSLEAFNEHVDECLDGPSTSENSKISCYSHASSADIGQKEDVHPSIPLCEKRGHENGEITSVDGV
DLTGTEDRSLKAASMDTLENNRSKEECPDIPDKS CPISLANETISTLSRQESVQPCTDEVVTGRALVCPV
CNLEQETSDLTLFNIHVDICLNKGIIQELRNSEGN SVKQPKESSRSTDR LQKASGRTRKPRGATSPSAPP
CLATMVPLMLPYLPVCISVSCEQM QLELAMMSMKNISLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	82.4 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.
Locus ID:	27015
UniProt ID:	Q9QUG2
RefSeq Size:	3517
Cytogenetics:	13 D1
RefSeq ORF:	2217
Synonyms:	Dinb1
Summary:	DNA polymerase specifically involved in DNA repair. Plays an important role in translesion synthesis, where the normal high-fidelity DNA polymerases cannot proceed and DNA synthesis stalls (PubMed:12432099). Depending on the context, it inserts the correct base, but causes frequent base transitions, transversions and frameshifts. Lacks 3'-5' proofreading exonuclease activity. Forms a Schiff base with 5'-deoxyribose phosphate at abasic sites, but does not have lyase activity (By similarity).[UniProtKB/Swiss-Prot Function]