

## Product datasheet for TP510263

### Tlk1 (NM\_172664) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tousel-like kinase 1 (Tlk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210263 representing NM_172664 Red=Cloning site Green=Tags(s)

MSVQSSSGSLEGPPSWSRLSTSPTPGSAAAARSLLNHTPPSGRPREGAMDELHSLDPRRQELLEARFTGV  
ATGSTGSTGSCSVGAKASTNNESSNHSFGSLGSLSDKESETPEKKQSESSRGRKRKAESQNESSQGKSIG  
GRGHKISDYFEYQGGNGSSPVRGIPPAIRSPQNSHSHSTPSSSVRPNSPPTALAFGDHPVWQPKQLSFK  
ITQDTLMLKLAALSTKNQDLEKKEGRIDLLRANCDLRRQIDDQKLEKYKERLNKCSMSKLLIE  
KSTQEKLSSREKSMQDRLRLGHFTTVRHGASFTEQWTDGFAFQNLVKQEQEWNQQREDIERQRKLLGKRK  
PPTANNSQAPATNSEAKQRKTKAVNGAENDPFVRPNLPQLLTLAEYHEQEEIFKLRLGHLKKEEAEIQAE  
LERLERVRNLHIRELKRINNEDNSQFKDHPTLNERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLN  
KSWRDEKKENYHKHACREYRIHKELDHPRIVKLYDYFSLD TDTFCTVLEYCEGNLDFYLKQHKLMSKE  
ARSIVMQIVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYVDGMDLTSQG  
AGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFQCLYGRKPFQGHNSQDQDILQENTILKATEVQFPVK  
PVSSEAKAFIRRCCLAYRKEDRFDVHQLANDPYLLPHMRRSNSSGNLHMSGLTATPTPPSSSIITY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	87.1 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_766252</a>
<b>Locus ID:</b>	228012
<b>UniProt ID:</b>	<a href="#">Q8C0V0</a>
<b>RefSeq Size:</b>	4050
<b>Cytogenetics:</b>	2 C2
<b>RefSeq ORF:</b>	2298
<b>Synonyms:</b>	4930545J15Rik
<b>Summary:</b>	Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly (By similarity). Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10' (By similarity).[UniProtKB/Swiss-Prot Function]