

Product datasheet for **TP508125**

Rtcb (NM_145422) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RNA 2',3'-cyclic phosphate and 5'-OH ligase (Rtcb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR208125 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSRNYNDELQFLDKINKNCWRIKKGFPVNMQVEGVFVNDALEKLMFEELRNACRGGGVGGFLPAMKQIG
NVAALPGIVHRSIGLPDVHSGYGFAIGNMAAFDMNDPEAVVSPGGVGFIDINCGVRLLRNLDES DVQPVK
EQLAQAMFDHIPVGVGSKGVIPMNAKDLEEALMGVDWSLREGYAWAEDKEHCEEYGRMLQADPNKVSPR
AKKRGLPQLGTLGAGNHYAEIQVVDEIFNEYAAKKMGIDHKGQVCVMIHSGSRGLGHQVATDALVAMEKA
MKRDKIIVNDRQLACARIASPEGQDYLGMAAAGNYAWVNRSSMTFLTRQAFKVFNTTPDDLHLHIYD
VSHNIAKVEQHVVVDGKERTLLVHRKGSTRAFPHPHPLIADVQLTGQPVLIGGTMGTC SYVLTGTEQGMT
ETFGTTCHGAGRALSRASRRNLDFQDVLDKLADMGIARVASPKLVMEEAPESYKNVTDVVNTCHDAGI
SKKAIKLRPIAVIKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	55.2 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.
RefSeq:	<u>NP_663397</u>



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Locus ID: 28088

UniProt ID: [Q99LF4](#)

RefSeq Size: 1979

Cytogenetics: 10 41.81 cM

RefSeq ORF: 1518

Synonyms: AI255213; AI463255; D10Wsu52e; FAAP; HSPC117

Summary: Catalytic subunit of the tRNA-splicing ligase complex that acts by directly joining spliced tRNA halves to mature-sized tRNAs by incorporating the precursor-derived splice junction phosphate into the mature tRNA as a canonical 3',5'-phosphodiester. May act as an RNA ligase with broad substrate specificity, and may function toward other RNAs (By similarity). Essential during post-implantation development of embryos.[UniProtKB/Swiss-Prot Function]