

Product datasheet for **TP508756**

Mus81 (NM_027877) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse MUS81 structure-specific endonuclease subunit (Mus81), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208756 representing NM_027877 Red =Cloning site Green =Tags(s)
	MAEPVRLGRKRPLVPCPNPLFVRWLTEWRDEAASRGRHTRFVFQKALRSLQRYPLPLRSGKEAKILQHFG DRLCRMDEKLKQHLASGGDHAPSSPSGKKGASKGPPEQVQDSSMPVPTQPQAGSTSVGYWPAQNSGARE ILLQLYREHLNSDGHSLTKEELLQKCAQKTPRVVPGSSKPWPALRSLHRNLILGTHRPARYALTPEGL ELAQKLAEAEGLSTRHAGFRPEEHHGEDSAVPEALSEPGTTEGAVQQRPLELRPSEYRVLLCVDIGETRG AGHRPEMLRELQRLRPHTVRKLHVGDFVWVAQETRPDRPERPGELVLDHIVERKRLDDLCSIIDGRFR EQFRLKRCGLGHRVYLVEEHGSHVHNSLPESTLLQAVTNTQVIDGFFVKRTMDIKESAGYLALLTKGLE RLYQGHTLRSRPWGAPGAAESEAKPSTNPLCSLLTFSDFNAEAVKKAQSVREVFARQLMQVRGLSGEKA AAVDRYSTPASLLAAYDACATAKEQEMLLSTIKCGRLQRNLGPALSRTLYQLYCSHSPLS TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	62 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_082153</u>



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Locus ID: 71711

UniProt ID: [Q91ZJ0](#)

RefSeq Size: 2004

Cytogenetics: 19 A

RefSeq ORF: 1653

Synonyms: 1200008A18Rik; AI182501; AW045863

Summary: Interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.[UniProtKB/Swiss-Prot Function]