

Product datasheet for **TP505764**

Exo5 (NM_001160043) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse exonuclease 5 (Exo5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205764 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAETGEEETASAEASGFSDLSDSELVEFLDLEEAKESAVLSKPGPSAELPGKDDKPVSLQNWKGGLDVL SPMERFHLKYLVTDLCTQNWCELQMVYGKELPGSLTPEKAAVLDTGASIH LAKELELHDLVTVPIATKE DAWAVKFLNILAMIPALQSEGRVREFPVFGEVEGIFLVGVIDELHYTSKGELELAELKTRRRPVLPLPAQ KKKDYFQVSLYKYIFDAMVQGKVTASLIHHTKLCLDKPLGPSVLRHARQGGVSVKSLGDLMLVFLSLT LSDLPAIDTLKLEYIHQETATILGTEIVAFEEKEVKSKVQHYVAYWMGHRDPQGV DVEEAWKCRTCDYVD ICEWRRGSGVLSSSWEPKAKKFK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	41.6 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:	NP_001153515
Locus ID:	73172
UniProt ID:	Q9CXP9



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RefSeq Size:	1969
Cytogenetics:	4 D2.2
RefSeq ORF:	1122
Synonyms:	3110037116Rik; AV297100; Dem1; Exo V; mExo5
Summary:	Single-stranded DNA (ssDNA) bidirectional exonuclease involved in DNA repair. Probably involved in DNA repair following ultraviolet (UV) irradiation and interstrand cross-links (ICLs) damage. Has both 5'-3' and 3'-5' exonuclease activities with a strong preference for 5'-ends. Acts as a sliding exonuclease that loads at ssDNA ends and then slides along the ssDNA prior to cutting; however the sliding and the 3'-5' exonuclease activities are abolished upon binding to the replication protein A (RPA) complex that enforces 5'-directionality activity (By similarity). [UniProtKB/Swiss-Prot Function]