

## Product datasheet for TP519928

### Exd1 (NM\_172857) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse exonuclease 3'-5' domain containing 1 (Exd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219928 representing NM_172857 Red=Cloning site Green=Tags(s)

MDPSSDYHFLNQILWRRVKLTLVSGIFEGVLQHVDPNKIVWLKNVRNAESGRSVPGVKVFVFFGHEILNVEL  
MDEAEGASGEKASAVSINTERAGMEKVKNEVDNVCEPASPAPPEVPTSSLLSDLKYCPSEEEVITYVIDQ  
FQKFGAAMLHIKKQSVLSVAEAGANVCRHGKLCWLQVATNSRVYLFDFLLGSRAFNNGLQMILEDKRI  
LKVIHDCRWLSDCLSHQYGIMLNNVFDTQVADVLQFSMETGGFLPNCISTLQESLIRHLKVAPRYLFFLE  
ERQKRIQENPEIWLTRPLPPSLLKILALETYLLPLRLVLLDEVMSDLTTLVDGYLNTYREGSADRLAGT  
EPACMELPAELLQLQDFQKQRRERAVKEYRVNARGLLIRTPLHPKEPTACTAGKEERVQGFIFYKTDGGD  
QVPRFLCPKSHEDKFLDKESKQTTAKSQIVPPRKEGEAHKDSKNKPGCWESAGPEDPRAQKAHALPPTW  
ASQSQFSLKEEIEQLTVVGNKGALTSPKEGALVSPSLLQETWEAPTDTFHLPEKAEVSTLPPCPALEKTD  
SWISPSLNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	64 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.



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RefSeq: [NP\\_766445](#)

Locus ID: 241624

UniProt ID: [Q8CDF7](#)

RefSeq Size: 3143

Cytogenetics: 2 E5

RefSeq ORF: 1710

Synonyms: 4932702D22Rik; Exd1; mExd1

**Summary:** RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposable elements, preventing their mobilization, which is essential for the germline integrity (PubMed:26669262). The PET complex is required during the secondary piRNAs metabolic process for the PIWIL2 slicing-triggered loading of PIWIL4 piRNAs. In the PET complex, EXD1 probably acts as an RNA adapter. EXD1 is an inactive exonuclease (By similarity).[UniProtKB/Swiss-Prot Function]