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Product datasheet for TP306223M

EXDL1 (EXD1) (NM_152596) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human exonuclease 3'-5' domain containing 1 (EXD1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206223 protein sequence Red=Cloning site Green=Tags(s) MEDSEFLAYVELLDEVEQGSVRAKASSVSLHAERTWMEKMKVEDLNVCEPASPAPEAPATSLLNDLKYSP SEEEEVTYTVINQFQQKFGAAILHIKKQNVLSVAAEGANVCRHGKLCWLQVATNCRVYLFDIFLLGSRAF HNGLQMILEDKRILKVIHDCRWLSDCLSHQYGILLNNVFDTQVADVLQFSMETGGYLPNCITTLQESLIK HLQVAPKYLSFLEKRQKLIQENPEVWFIRPVSPSLLKILALEATYLLPLRLALLDEMMSDLTTLVDGYLN TYREGSADRLGGTEPTCMELPEELLQLKDFQKQRREKAAREYRVNAQGLLIRTVLQPKKLVTETAGKEEK VKGFLFGKNFRIDKAPSFTSQDFHGDVNLLKEESLNKQATNPQHLPPTEEGETSEDSSNKLICTKSKGSE DQRITQKEHFMTPKHEFQASLSLKEETEQLLMVENKEDLKCTKQAVSMSSFPQETRVSPSDTFYPIRKTV VSTLPPCPALEKIDSWISPFLNLP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	58.2 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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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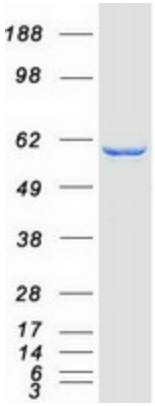
RefSeq:	NP_689809
Locus ID:	161829
UniProt ID:	Q8NHP7
RefSeq Size:	3009
Cytogenetics:	15q15.1
RefSeq ORF:	1542
Synonyms:	EXDL1
Summary:	RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the 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 (By similarity). 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]

Product images:



Coomassie blue staining of purified EXD1 protein (Cat# [TP306223]). The protein was produced from HEK293T cells transfected with EXD1 cDNA clone (Cat# [RC206223]) using MegaTran 2.0 (Cat# [TT210002]).