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Product datasheet for TP525061

Eri1 (NM_026067) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse exoribonuclease 1 (Eri1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225061 representing NM_026067 Red=Cloning site Green=Tags(s) MEDERGRERGGDAAQQKTPRPECEESRPLSVEKKQRCRLDGKETDGSKFISSNGSDFSDPVYKEIAMTNG CINRMSKEELRAKLSEFKLETRGVKDVLKKRLKNYYKKQKLMLKESSAGDSYYDYICIIDFEATCEEGNP AEFLHEIIEFPVVLLNTHTLEIEDTFQQYVRPEVNDQLSEFCIGLTGITQDQVDRADAFPQVLKKVIEWM KSKELGTKYKYCILTDGSWDMSKFLSIQCRLSRLKHPAFAKKWINIRKSYGNFYKVPRSQTKLTIMLEKL GMDYDGRPHSGLDDSKNIARIAIRMLQDGCELRINEKILGGQLMSVSSSLPVEGAPAPQMPHSRK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	39.6 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.
Locus ID:	67276
UniProt ID:	Q7TMF2, Q8BV98, A0A0R4J0C8
RefSeq Size:	5067

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Cytogenetics:	8 A4
RefSeq ORF:	1035
Synonyms:	3'hexo; 3110010F15Rik; eri-1; Thex1
Summary:	RNA exonuclease that binds to the 3'-end of histone mRNAs and degrades them, suggesting that it plays an essential role in histone mRNA decay after replication. A 2' and 3'-hydroxyl groups at the last nucleotide of the histone 3'-end is required for efficient degradation of RNA substrates. Also able to degrade the 3'-overhangs of short interfering RNAs (siRNAs) in vitro, suggesting a possible role as regulator of RNA interference (RNAi). Binds with high affinity to the 3' side of the stem-loop structure and to the downstream cleavage product (DCP) of histone pre-mRNAs. Requires for binding the 5'-ACCCA-3' sequence present in stem-loop structure. Able to bind other mRNAs (By similarity). Required for 5.8S rRNA 3'-end processing. Also binds to 5.8s ribosomal RNA.[UniProtKB/Swiss-Prot Function]