Recombinant Mouse Eri1 Protein, Myc/DDK-tagged

Cat. No. Eri1-2859M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length exoribonuclease 1 (Eri1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Required for 5.8S rRNA 3'-end processing. Also binds to 5.8s ribosomal RNA.
Molecular Mass	39.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Eri1 exoribonuclease 1 [Mus musculus (house mouse)]
Official Symbol	Eri1
Synonyms	ERI1; exoribonuclease 1; 3-5 exoribonuclease 1; eri-1 homolog; 3-5 exonuclease ERI1; enhanced RNAi protein 1; histone mRNA 3-exonuclease 1; three prime histone mRNA exonuclease 1; histone mRNA 3 end-specific exonuclease; Thex1; eri-1; 3hexo; 3110010F15Rik
Gene ID	67276
mRNA Refseq	NM_026067
Protein Refseq	NP_080343
UniProt ID	Q7TMF2

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