

Product datasheet for **TP306777L**

HEXO (ERI1) (NM_153332) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human exoribonuclease 1 (ERI1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206777 protein sequence Red =Cloning site Green =Tags(s)

MEDPQSKEPAGEAVALALLESPPREGGEEPPRPSPEETQQCKFDGQETKGSKFITSSASDFSDPVYKEIA
ITNGCINRMSKEELRAKLSEFKLETRGVKDVLLKKRLKNYYKKQKLMLKESNFADSYDYICIIDFEATCE
EGNPPEFVHEIIIEFPVLLNTHLTLEIEDTFQQYVRPEINTQLSDFCISLTGITQDQVDRADTFPQVLKKV
IDWMKLELGTKYKYSLLTDGSDMSKFLNIQCQLSRLKYPFAKKWINIRKSYGNFYKVPQRSQTKLTIM
LEKLGMDYDGRPHCGLDDSKNIARIAVRMLQDGCELRIKMHAGQLMSVSSSLPIEGTPPPQMPHFRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	39.9 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.
RefSeq:	NP_699163
Locus ID:	90459



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UniProt ID: [Q8IV48](#), [A0A024R355](#)

RefSeq Size: 4615

Cytogenetics: 8p23.1

RefSeq ORF: 1047

Synonyms: 3'HEXO; HEXO; 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). 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. Binds with high affinity to the stem-loop structure of replication-dependent histone pre-mRNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ERI1 protein (Cat# [TP306777]). The protein was produced from HEK293T cells transfected with ERI1 cDNA clone (Cat# [RC206777]) using MegaTran 2.0 (Cat# [TT210002]).