

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 HEK293T **Expression Host:** Expression cDNA Clone >RC206777 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MEDPQSKEPAGEAVALALLESPRPEGGEEPPRPSPEETQQCKFDGQETKGSKFITSSASDFSDPVYKEIA ITNGCINRMSKEELRAKLSEFKLETRGVKDVLKKRLKNYYKKQKLMLKESNFADSYYDYICIIDFEATCE EGNPPEFVHEIIEFPVVLLNTHTLEIEDTFQQYVRPEINTQLSDFCISLTGITQDQVDRADTFPQVLKKV IDWMKLKELGTKYKYSLLTDGSWDMSKFLNIQCQLSRLKYPPFAKKWINIRKSYGNFYKVPRSQTKLTIM LEKLGMDYDGRPHCGLDDSKNIARIAVRMLQDGCELRINEKMHAGQLMSVSSSLPIEGTPPPQMPHFRK **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: 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 Recombinant protein was captured through anti-DDK affinity column followed by **Preparation:** 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. Store at -80°C. Storage: 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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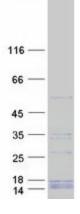
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	HEXO (ERI1) (NM_153332) Human Recombinant Protein – TP306777L
UniProt ID:	<u>Q8IV48, A0A024R355</u>
RefSeq Size:	4615
Cytogenetics:	8p23.1
RefSeq ORF:	1047
Synonyms:	3'HEXO; HEXO; THEX1
Summary:	RNA exonuclease that binds to the 3'-end of histone 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

Product images:



Function]

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]).

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