

Recombinant Human REXO1, His-tagged

Cat. No. REXO1-31126TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 773-1221 of Human REXO1 with N terminal His tag; Predicted MWt 51 kDa.
Species	Human
Source	E.coli
ProteinLength	773-1221 a.a.
Description	REXO1 or Elongin A-binding protein 1 (EloA-BP1) is an exonuclease domain-containing protein that can bind to Elongin. The Elongin complex stimulates the rate of transcription elongation by RNA polymerase II by suppressing the transient pausing of the polymerase at many sites along the DNA template. REXO1 is composed of 1221 amino acids and its mRNA is ubiquitously expressed. EloA-BP1 is capable of binding not only the NH ₂ -terminal approximately 120 amino acid region of Elongin A, but also that of SII. Although REXO1 had no detectable effect on the rate of transcription elongation in vitro, it may play some role in the regulation of elongation in vivo.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 107 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

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RTLSGMASKTTTTIIPKRIAHSPSLQSLKKPIIPKEFGGK VPTVIRQRYLNLFIIECLKF
CTSNQEAIEKALNEEKVA YDRSPSKNIYLNVAVENTLKKLRGLAPSAVPGLSKTSGR R
VVSHEVVLLGGRLAAKTSFSLSRPSSPRVEDLKGAAALY SRLREYLLTQDQLKENGYP
FPHPERPGGAIIFTAEEKRPK DSSCRTCCRCGTEYLVSSSGRCIRDEECYYHWGRL
RRN RVAGGWETQYMCCSAAAGSVGCQVAKQHVQDGRKERLE GFVKTFEKELSG
DTHPGIYALDCEMSYYTYGLELTRVT VVDTDVHVVYDTFVVKPDNEIVDYNTRFSGVT
EADLADT SVTLRDVQAVLLSMFSADTILIGHSLESDLLALKVIHSTV VDTSVLFPHRL
GLPYKRSLRNLMA DYLRQIIQDNVDGH SSEDAGACMHLVIWKVREDAKTKR
    
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GENE INFORMATION

Gene Name [REXO1 REX1, RNA exonuclease 1 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [REXO1](#)

Synonyms REXO1; REX1, RNA exonuclease 1 homolog (S. cerevisiae); TCEB3BP1, transcription elongation factor B polypeptide 3 binding protein 1; RNA exonuclease 1 homolog; EloA BP1; elongin A binding protein 1; KIAA1138;

Gene ID [57455](#)

mRNA Refseq [NM_020695](#)

Protein Refseq [NP_065746](#)

MIM [609614](#)

Uniprot ID [Q8N1G1](#)

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**Chromosome
Location**

19p13.3

Pathway

Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;

Function

exonuclease activity; hydrolase activity; nucleic acid binding;

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