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: NoneConstituents: 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	RTLSGMASKTTTTIIPKRIAHSPSLQSLKKPIIPKEFGGK VPTVIRQRYLNLFIEECLKF CTSNQEAIEKALNEEKVA YDRSPSKNIYLNVAVNTLKKLRGLAPSAVPGLSKTSGR R VVSHEVVLGGRLAAKTSFSLSRPSSPRVEDLKGAALY SRLREYLLTQDQLKENGYP FPHPERPGGAIIFTAEEKRPK DSSCRTCCRCGTEYLVSSSGRCIRDEECYYHWGRL RRN RVAGGWETQYMCCSAAAGSVGCQVAKQHVQDGRKERLE GFVKTFEKELSG DTHPGIYALDCEMSYTTYGLELTRVT VVDTDVHVVYDTFVKPDNEIVDYNTRFSGVT EADLADT SVTLRDVQAVLLSMFSADTILIGHSLESDLLALKVIHSTV VDTSVLFPHRL GLPYKRSLRNLMADYLRQIIQDNVDGH SSSEDAGACMHLVIWKVREDAKTKR

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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