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## Product Data Sheet

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Product Name: REXO1 Human  
 Cat. No.: GP22218  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RNA exonuclease 1 homolog; Elongin-A-binding protein 1; EloA-BP1; Transcription elongation factor B polypeptide 3-binding protein 1; REXO1; ELOABP1; KIAA1138; TCEB3BP1.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSİYAL DCEMSYTTYG LELTRVTVD TDVHVVDYTF VKPDNEIVDY NTRFSGVTEA DLADTSVTLR DVQAVLLSMF SADTILIGHS LESDLLALKV IHSTVVDTSV LFPHRLGLPY KRSLRNLMAD YLRQIIQDNV DGHSSSEDAG ACMHLVIWKV REDAKTKR.		
Formulation	The REXO1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

REXO1 is an exonuclease domain-containing protein which binds 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. REXO1 is a putative stem cell marker and is highly expressed in embryonic and adult stem cells.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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REXO1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (1060-1221a.a) and having a molecular mass of 22.3kDa. REXO1 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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