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## Product Data Sheet

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Product Name: REXO2 Human  
 Cat. No.: GP22219  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	REX2; RNA exonuclease 2 homolog (S. cerevisiae); CGI-114; RFN; SFN; Oligoribonuclease; mitochondrial; RNA exonuclease 2 homolog; Small fragment nuclease; REXO2; SMFN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVREGGAA MAAGESMAQR MVWVDLEMTG LDIEKDQIIE MACLITDSDL NILAEGPNLI IKQPDELLDS MSDWCKEHHG KSGLTKAVKE STITLQQA EY EFLSFVRQQT PPGLCPLAGN SVHEDKKFLD KYMPQFMKHL HYRIIDVSTV KELCRRWYPE EYEFAPKAA SHRALDDISE SIKELQFYRN NIFKKKIDEK KRKIIENGEN EKTVS.		
Formulation	The REXO2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 20% glycerol.		

### Introduction

EXO2 is a 3'-to-5' exonuclease specific for small (primarily 5 nucleotides or less in length) single-stranded RNA and DNA oligomers. RNA Exonuclease 2 (REXO2) takes part in DNA repair, replication, and recombination, and in RNA processing and degradation. EXO2 is involved in resistance of human cells to UV-C-induced cell death via its part in the DNA repair process.

### 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

REXO2 Human Recombinant produced in E. coli is a single polypeptide chain containing

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

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235 amino acids (26-237) and having a molecular mass of 26.8kDa. REXO2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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