

## Recombinant Human REXO2, His-tagged

Cat. No. REXO2-7641H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human REXO2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Species** Human

**Source** E.coli

**ProteinLength** 26-237 aa

**Description** REXO2 is a 3"-to-5" exonuclease specific for small (primarily 5 nucleotides or less in length) single-stranded RNA and DNA oligomers. This protein may have a role in DNA repair, replication, and recombination, and in RNA processing and degradation. It may also be involved in resistance of human cells to UV-C-induced cell death through its role in the DNA repair process.?

**Form** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol

**Molecular Mass** 26.8kDa (235aa)

**AA Sequence**  
 MGSSHHHHHH SGLVPRGSH MGSVREGGAA MAAGESMAQR MVWVDLEMTG  
 LDIEKDQIIE MACLITDSDL NILAEGPNLI IKQPDELLDS MSDWCKEHHG  
 KSGLTAVKE STITLQQAQY EFLSFVRQQT PPGLCPLAGN SVHEDKKFLD  
 KYMPQFMKHL HYRIIDVSTV KELCRRWYPE EYEFAPKAA SHRALDDISE  
 SIKELQFYRN NIFKKKIDEK KRKIIENGEN EKTVS

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<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml?
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	REXO2 REX2, RNA exonuclease 2 homolog ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	REXO2
<b>Synonyms</b>	REXO2; REX2, RNA exonuclease 2 homolog ( <i>S. cerevisiae</i> ); oligoribonuclease, mitochondrial; CGI 114; DKFZP566E144; SFN; small fragment nuclease; RNA exonuclease 2 homolog; RFN; REX2; CGI-114; MGC111570; DKFZp566E144;
<b>Gene ID</b>	<a href="#">25996</a>
<b>mRNA Refseq</b>	<a href="#">NM_015523</a>
<b>Protein Refseq</b>	<a href="#">NP_056338</a>
<b>MIM</b>	<a href="#">607149</a>
<b>UniProt ID</b>	<a href="#">Q9Y3B8</a>
<b>Chromosome Location</b>	11q23.2

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<b>Pathway</b>	Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;
<b>Function</b>	3-5 exonuclease activity; nucleic acid binding;

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