



**REXO2, 26-237 aa, Human, His tag, E.coli**

**Cat.NO.: TP03719**

3th Edition

**Synonyms:**Oligoribonuclease, mitochondrial, REX2, RNA exonuclease 2 homolog (*S. cerevisiae*), CGI-114, REX2, RFN, SFN

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

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

**Molecular Weight:**26.8kDa (235aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSVREGGAAMAAGESMAQRMVWVDLEMTGLDIEKDQIEMACLITDSDLNILAE  
GPNLIKQPDELLDSMSDWCKEHHGKSGLTAVKESTITLQQAIEYEFVRFVRRQTPPGCLAGNSVHEDKKFLDK  
YMPQFMKHLHYRIIDVSTVKELCRRWYPEEYEFAPKKAASHRALDDISESIKELQFYRNNIFKKKIDKRRKIIENGEN  
EKTVS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.