

## Recombinant Human REXO2 protein, His-tagged

**Cat. No.** REXO2-1941H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human REXO2 aa. (Gln41~Asn213 (Accession # Q9Y3B8)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Gln41~Asn213                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes 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. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 21.7kDa                                                                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                                                                      |

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>         | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Storage buffer</b>    | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% sarcosyl and 5% trehalose.                                                                                                                                                                                                                           |
| <b>Reconstitution</b>    | Reconstitute in sterile ddH <sub>2</sub> O.                                                                                                                                                                                                                                                                                         |
| <b>Isoelectric Point</b> | 5.7                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | REXO2 RNA exonuclease 2 [ Homo sapiens (human) ]                                                                                                                         |
| <b>Official Symbol</b> | REXO2                                                                                                                                                                    |
| <b>Synonyms</b>        | REXO2; RNA exonuclease 2; RFN; SFN; REX2; CGI-114; oligoribonuclease, mitochondrial; REX2, RNA exonuclease 2 homolog; RNA exonuclease 2 homolog; small fragment nuclease |
| <b>Gene ID</b>         | 25996                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_015523.3                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_056338.2                                                                                                                                                              |

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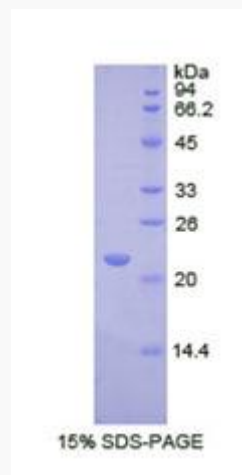
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UniProt ID

Q9Y3B8

SDS-PAGE

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