

Recombinant human REXO2 protein

Catalog Number: ATGP2152

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-237aa

UniProt No.

Q9Y3B8

NCBI Accession No.

NP_056338

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

26.8 kDa (235aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

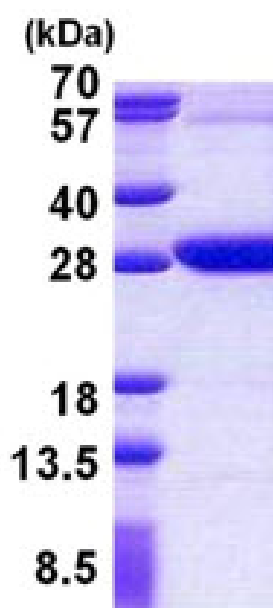
MGSSHHHHHH SSGLVPRGSH MGSVREGGAA MAAGESMAQR MVWVDLEMTG LDIEKDQIIE MACLITDSDL NILAEGPNLI
IKQPELLEDS MSDWCKEHHG KSGLTAKVKE STITLQQAQY EFLSFVRQQT PPGLCPLAGN SVHEDKKFLD KYMPQFMKHL
HYRIIDVSTV KELCRRWYPE EYEFAPKAA SHRALDDISE SIKELQFYRN NIFKKKIDEK KRKIIENGEN EKTVS

General References

Lai CH, Chou CY, Ch'ang LY, Liu CS, Lin W . May 2000. Genome Res. 10 (5): 703-13
Nguyen LH, Erzberger JP, Root J, Wilson DM .August 2000. J. Biol. Chem. 275 (34): 25900-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)