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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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REXO2 (m): 293T Lysate: sc-123082

BACKGROUND

Proper DNA and RNA metabolism requires nucleases which function in DNA replication, recombination and repair, as well as in RNA processing and degradation events. REXO2 (RNA exonuclease 2), also called RFN or SFN, is the human homolog of the *E. coli* exonuclease ORN. Functioning as a 3'-to-5' exonuclease, REXO2 degrades single-stranded RNA or DNA and, based on its similarity with ORN, may be involved in cellular responses to DNA-damaging agents. Additionally, REXO2 is implicated in cellular nucleotide recycling and can use manganese as a cofactor. Two isoforms of REXO2 exist due to alternative splicing events. Isoform 1 is localized to the mitochondria, while isoform 2 is localized to the nucleus.

REFERENCES

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4. Ito, S., Kita, K., Zhai, L., Wano, C., Suzuki, T., Yamaura, A. and Suzuki, N. 2004. Involvement of human small fragment nuclease in the resistance of human cells to UV-C-induced cell death. *Photochem. Photobiol.* 80: 281-285.
5. Young Park, A., Elvin, C.M., Hamdan, S.M., Wood, R.J., Liyou, N.E., Hamwood, T.E., Jennings, P.A. and Dixon, N.E. 2007. Hydrolysis of the 5'-p-nitrophenyl ester of TMP by oligoribonucleases (ORN) from *Escherichia coli*, *Mycobacterium smegmatis*, and human. *Protein Expr. Purif.* 57: 180-187.

CHROMOSOMAL LOCATION

Genetic locus: REXO2 (mouse) mapping to 9 A5.3.

PRODUCT

REXO2 (m): 293T Lysate represents a lysate of mouse REXO2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

REXO2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive REXO2 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.