



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

REXO4 (h2): 293 Lysate: sc-173398

BACKGROUND

Proper DNA and RNA metabolism require nucleases which function in DNA replication, recombination and repair, as well as in RNA processing and degradation events. REXO4 (REX4, RNA exonuclease 4 homolog), also known as REX4, XPMC2 or XPMC2H, is a 422 amino acid nucleolar protein containing an exonuclease domain. REXO4 interacts with ER α and ER β , however, this interaction is reversed by estrogen and augmented by Tamoxifen treatment. Expressed as two alternatively spliced isoforms, REXO4 is encoded by a gene located on human chromosome 9q34.2, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

REFERENCES

1. Kwiatkowska, J., Slomski, R., Jozwiak, S., Short, M.P. and Kwiatkowski, D.J. 1997. Human XPMC2H: cDNA cloning, mapping to 9q34, genomic structure, and evaluation as TSC1. *Genomics* 44: 350-354.
2. Online Mendelian Inheritance in Man, OMIM™. 1998. Johns Hopkins University, Baltimore, MD. MIM Number: 602930. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
3. Wang, C., Francis, R., Harirchian, S., Battle, D., Mayhew, B., Bassett, M., Rainey, W.E. and Pestell, R.G. 2000. The application of high density microarray for analysis of mitogenic signaling and cell-cycle in the adrenal. *Endocr. Res.* 26: 807-823.
4. Boube, M., Joulia, L., Cribbs, D.L. and Bourbon, H.M. 2002. Evidence for a mediator of RNA polymerase II transcriptional regulation conserved from yeast to man. *Cell* 110: 143-151.
5. Krieg, A.J., Hammond, E.M. and Giaccia, A.J. 2006. Functional analysis of p53 binding under differential stresses. *Mol. Cell. Biol.* 26: 7030-7045.

CHROMOSOMAL LOCATION

Genetic locus: REXO4 (human) mapping to 9q34.2.

PRODUCT

REXO4 (h2): 293 Lysate represents a lysate of human REXO4 transfected 293 cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

REXO4 (h2): 293 Lysate is suitable as a Western Blotting positive control for human reactive REXO4 antibodies. Recommended use: 10-20 μ l per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.