



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)

ZNF202 (h): 293T Lysate: sc-373435

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZNF202 (zinc finger protein 202), also known as ZKSCAN10, is a 648 amino acid protein that contains 8 C₂H₂-type zinc fingers, one KRAB domain and one SCAN box domain. Localized to the nucleus and expressed at high levels in the testis, ZNF202 belongs to the Krüppel C₂H₂-type zinc-finger protein family and functions as a transcriptional repressor of genes that are involved in lipid metabolism. ZNF202 regulates the expression of several classes of proteins, including lipoprotein particles, transporters involved in lipid homeostasis, enzymes involved in lipid processing and a wide variety of proteins that are associated with energy metabolism. Defects in the gene encoding ZNF202 are associated with high cholesterol and may be involved in the pathogenesis of lung, ovarian and breast cancer. Two isoforms of ZNF202, designated α and β , exist due to alternative splicing events.

REFERENCES

1. Monaco, C., Helmer Citterich, M., Caprini, E., Vorechovsky, I., Russo, G., Croce, C.M., Barbanti-Brodano, G. and Negrini, M. 1998. Molecular cloning and characterization of ZNF202: a new gene at 11q23.3 encoding testis-specific zinc finger proteins. *Genomics* 52: 358-362.
2. Wagner, S., Hess, M.A., Ormonde-Hanson, P., Malandro, J., Hu, H., Chen, M., Kehrer, R., Frodsham, M., Schumacher, C., Beluch, M., Honer, C., Skolnick, M., Ballinger, D. and Bowen, B.R. 2000. A broad role for the zinc finger protein ZNF202 in human lipid metabolism. *J. Biol. Chem.* 275: 15685-15690.
3. Porsch-Ozcürümez, M., Langmann, T., Heimerl, S., Borsukova, H., Kaminski, W.E., Drobnik, W., Honer, C., Schumacher, C. and Schmitz, G. 2001. The zinc finger protein 202 (ZNF202) is a transcriptional repressor of ATP binding cassette transporter A1 (ABCA1) and ABCG1 gene expression and a modulator of cellular lipid efflux. *J. Biol. Chem.* 276: 12427-12433.
4. Xing, W. and Sairam, M.R. 2002. Cross talk of two Krüppel transcription factors regulates expression of the ovine FSH receptor gene. *Biochem. Biophys. Res. Commun.* 295: 1096-1101.
5. Langmann, T., Schumacher, C., Morham, S.G., Honer, C., Heimerl, S., Moehle, C. and Schmitz, G. 2003. ZNF202 is inversely regulated with its target genes ABCA1 and apoE during macrophage differentiation and foam cell formation. *J. Lipid Res.* 44: 968-977.
6. Schmitz, G., Heimerl, S. and Langmann, T. 2004. Zinc finger protein ZNF202 structure and function in transcriptional control of HDL metabolism. *Curr. Opin. Lipidol.* 15: 199-208.
7. Stene, M.C., Frikke-Schmidt, R., Nordestgaard, B.G., Steffensen, R., Schnohr, P. and Tybjaerg-Hansen, A. 2006. Zinc Finger Protein 202: a new candidate gene for ischemic heart disease: The Copenhagen City Heart Study. *Atherosclerosis* 188: 43-50.
8. Park, J.W., Cai, J., McIntosh, I., Jabs, E.W., Fallin, M.D., Ingersoll, R., Hetmanski, J.B., Vekemans, M., Attie-Bitach, T., Lovett, M., Scott, A.F. and Beaty, T.H. 2006. High throughput SNP and expression analyses of candidate genes for non-syndromic oral clefts. *J. Med. Genet.* 43: 598-608.

CHROMOSOMAL LOCATION

Genetic locus: ZNF202 (human) mapping to 11q24.1.

PRODUCT

ZNF202 (h): 293T Lysate represents a lysate of human ZNF202 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

ZNF202 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZNF202 antibodies. Recommended use: 10-20 μ l per lane.

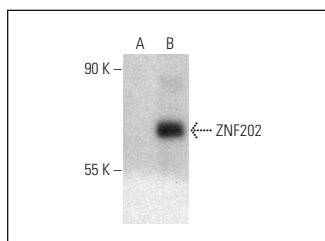
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ZNF202 (GG-7): sc-101074 is recommended as a positive control antibody for Western Blot analysis of enhanced human ZNF202 expression in ZNF202 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



ZNF202 (GG-7): sc-101074. Western blot analysis of ZNF202 expression in non-transfected: sc-117752 (A) and human ZNF202 transfected: sc-373435 (B) 293T whole cell lysates.

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.