



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## LBP-9 (h): 293T Lysate: sc-369957

### BACKGROUND

The long terminal repeat binding protein-1 (LBP-1) mammalian family of transcription factors are proteins that stimulate transcription in HeLa cells from the major late promoter of simian virus 40 *in vitro*. The two related human LBP-1 genes are TFPC2A, which encodes the alternatively spliced transcripts LBP-1a and LBP-1b, and TFPC2C, which encodes LBP-1c and LBP-1d. LBP-9, also designated transcription factor CP2-like 1 (TFPC2L1), is a protein of 479 amino acids. LBP-9 shows 83% sequence homology with LBP-1b and acts as a suppressor factor inhibiting the stimulation effect of LBP-1b. LBP-9 may regulate the P450scc reporter activity through the -155/-131 element.

### REFERENCES

1. Mukhamadieva, G.A. 1975. Functional state of the stomach in patients with diffuse toxic goiter and hypothyroidism. *Vrach. Delo* 6: 22-25.
2. Yoon, J.B., Li, G. and Roeder, R.G. 1994. Characterization of a family of related cellular transcription factors which can modulate human immunodeficiency virus type 1 transcription *in vitro*. *Mol. Cell. Biol.* 14: 1776-1785.
3. Huang, N. and Miller, W.L. 2000. Cloning of factors related to HIV-inducible LBP proteins that regulate steroidogenic factor-1-independent human placental transcription of the cholesterol side-chain cleavage enzyme, P450scc. *J. Biol. Chem.* 275: 2852-2858.
4. Rodda, S., Sharma, S., Scherer, M., Chapman, G. and Rathjen, P. 2001. CRTR-1, a developmentally regulated transcriptional repressor related to the CP2 family of transcription factors. *J. Biol. Chem.* 276: 3324-3332.
5. Huang, N. and Miller, W.L. 2005. LBP proteins modulate SF1-independent expression of P450scc in human placental JEG-3 cells. *Mol. Endocrinol.* 19: 409-420.
6. Sato, F., Yasumoto, K., Kimura, K., Numayama-Tsuruta, K. and Sogawa, K. 2005. Heterodimerization with LBP-1b is necessary for nuclear localization of LBP-1a and LBP-1c. *Genes Cells* 10: 861-870.

### CHROMOSOMAL LOCATION

Genetic locus: TFPC2L1 (human) mapping to 2q14.2.

### PRODUCT

LBP-9 (h): 293T Lysate represents a lysate of human LBP-9 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

### APPLICATIONS

LBP-9 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive LBP-9 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](http://www.scbt.com) for detailed protocols and support products.