



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Med30 (h2): 293T Lysate: sc-174753

## BACKGROUND

Med30 is a subunit of the RNA polymerase II (Pol II) transcriptional mediator complex. The mediator complex is a coactivator involved in the regulated transcription of Pol II-dependent genes. The mediator complex functions as a bridge to convey information from gene-specific regulatory proteins to the basal Pol II transcription machinery, and is recruited to promoter regions by directly interacting with regulatory proteins. The mediator complex also serves as a scaffold for the assembly of a functional pre-initiation complex with Pol II and other general transcription factors. Found in the nucleus, Med30 is expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.

## REFERENCES

1. Casamassimi, A. and Napoli, C. 2007. Mediator complexes and eukaryotic transcription regulation: an overview. *Biochimie* 89: 1439-1446.
2. Kim, B., Nesvizhskii, A.I., Rani, P.G., Hahn, S., Aebersold, R. and Ranish, J.A. 2007. The transcription elongation factor TFIIIS is a component of RNA polymerase II preinitiation complexes. *Proc. Natl. Acad. Sci. USA* 104: 16068-16073.
3. Bjornsdottir, G. and Myers, L.C. 2008. Minimal components of the RNA polymerase II transcription apparatus determine the consensus TATA box. *Nucleic Acids Res.* 36: 2906-2916.
4. Bourbon, H.M. 2008. Comparative genomics supports a deep evolutionary origin for the large, four-module transcriptional mediator complex. *Nucleic Acids Res.* 36: 3993-4008.
5. Tóth-Petróczy, A., Oldfield, C.J., Simon, I., Takagi, Y., Dunker, A.K., Uversky, V.N. and Fuxreiter, M. 2008. Malleable machines in transcription regulation: the mediator complex. *PLoS Comput. Biol.* 4: e1000243.
6. Willis, I.M., Chua, G., Tong, A.H., Brost, R.L., Hughes, T.R., Boone, C. and Moir, R.D. 2008. Genetic interactions of MAF1 identify a role for Med20 in transcriptional repression of ribosomal protein genes. *PLoS Genet.* 4: e1000112.
7. Knuesel, M.T., Meyer, K.D., Donner, A.J., Espinosa, J.M. and Taatjes, D.J. 2009. The human CDK8 subcomplex is a histone kinase that requires Med12 for activity and can function independently of mediator. *Mol. Cell. Biol.* 29: 650-661.

## CHROMOSOMAL LOCATION

Genetic locus: MED30 (human) mapping to 8q24.11.

## PRODUCT

Med30 (h2): 293T Lysate represents a lysate of human Med30 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## 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.

## APPLICATIONS

Med30 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Med30 antibodies. Recommended use: 10-20 µl per lane.

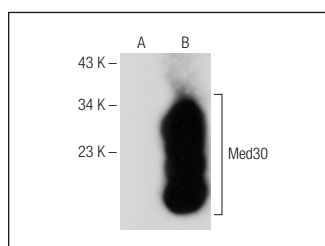
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Med30 (A-11): sc-374480 is recommended as a positive control antibody for Western Blot analysis of enhanced human Med30 expression in Med30 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

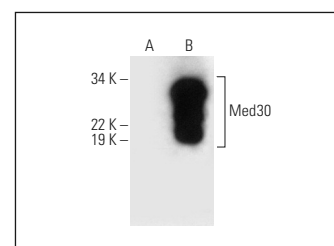
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



Med30 (A-11): sc-374480. Western blot analysis of Med30 expression in non-transfected: sc-117752 (A) and human Med30 transfected: sc-174753 (B) 293T whole cell lysates.



Med30 (C-6): sc-393289. Western blot analysis of Med30 expression in non-transfected: sc-117752 (A) and human Med30 transfected: sc-174753 (B) 293T whole cell lysates.

## 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.