



# 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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# CHAD (m): 293T Lysate: sc-125129

## BACKGROUND

CHAD, also known as chondroadherin, cartilage leucine-rich protein or SLRR4A, is a 359 amino acid cartilage matrix protein that plays a significant role in the regulation of chondrocyte growth and proliferation. CHAD is implicated in the adhesion of fibroblasts, osteoblasts and chondrocytes, which is mediated by interactions with Integrin  $\alpha 2/\beta 1$ . Existing primarily in monomeric form, CHAD is a secreted protein that localizes to the extracellular matrix and belongs to the small leucine-rich proteoglycan (SLRP) family and class IV subfamily. CHAD contains 11 LRR (leucine-rich) repeats and is present in chondrocytes of all ages. The gene encoding CHAD maps to human chromosome 17q21.33 and mouse chromosome 11 D.

## REFERENCES

1. Larsson, T., Sommarin, Y., Paulsson, M., Antonsson, P., Hedbom, E., Wendel, M. and Heinegard, D. 1991. Cartilage matrix proteins. A basic 36-kDa protein with a restricted distribution to cartilage and bone. *J. Biol. Chem.* 266: 20428-20433.
2. Grover, J., Chen, X.N., Korenberg, J.R. and Roughley, P.J. 1997. The structure and chromosome location of the human chondroadherin gene (CHAD). *Genomics* 45: 379-385.
3. Camper, L., Heinegård, D. and Lundgren-Akerlund, E. 1997. Integrin  $\alpha 2\beta 1$  is a receptor for the cartilage matrix protein chondroadherin. *J. Cell Biol.* 138: 1159-1167.
4. Landgren, C., Beier, D.R., Fässler, R., Heinegård, D. and Sommarin, Y. 1998. The mouse chondroadherin gene: characterization and chromosomal localization. *Genomics* 47: 84-91.
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6. Online Mendelian Inheritance in Man, OMIM™. 2007. Johns Hopkins University, Baltimore, MD. MIM Number: 602178. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>

## CHROMOSOMAL LOCATION

Genetic locus: Chad (mouse) mapping to 11 D.

## PRODUCT

CHAD (m): 293T Lysate represents a lysate of mouse CHAD transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

CHAD (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive CHAD antibodies. Recommended use: 10-20  $\mu$ l 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.