



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) 



Gemin4 (m): 293T Lysate: sc-125378

BACKGROUND

Gemin4 is a component of the SMN core complex which, while in the cytoplasm, plays an essential role in ribonucleoprotein (snRNP) assembly, including the biogenesis, delivery and recycling of snRNPs to the spliceosome. In the nucleus, where SMN is required for pre-mRNA splicing, Gemin4 concentrates next to coiled bodies in subnuclear structures called gems that are highly enriched in spliceosomal snRNPs and in the nucleolus. Deletion or loss-of-function mutations in the SMN lead to the neurodegenerative disease spinal muscular atrophy (SMA). Gemin4 maps to the 17p13 gene.

REFERENCES

1. Charroux, B., et al. 2000. Gemin4. A novel component of the SMN complex that is found in both gems and nucleoli. *J. Cell Biol.* 148: 1177-1186.
2. Park, J.W., et al. 2001. Association of galectin-1 and galectin-3 with Gemin4 in complexes containing the SMN protein. *Nucleic Acids Res.* 29: 3595-3602.
3. Mourelatos, Z., et al. 2001. SMN interacts with a novel family of hnRNP and spliceosomal proteins. *EMBO J.* 20: 5443-5452.
4. Di, L., et al. 2003. HCC-associated protein HCAP1, a variant of Gemin4, interacts with zinc-finger proteins. *J. Biochem.* 133: 713-718.
5. Patterson, R.J., et al. 2004. Understanding the biochemical activities of galectin-1 and galectin-3 in the nucleus. *Glycoconj. J.* 19: 499-506.
6. Wang, J.L., et al. 2004. Nucleocytoplasmic lectins. *Biochim. Biophys. Acta* 1673: 75-93.
7. SWISS-PROT/TrEMBL (P57678). World Wide Web URL: <http://ca.expasy.org/cgi-bin/niceprot.pl>

CHROMOSOMAL LOCATION

Genetic locus: Gemin4 (mouse) mapping to 11 B5.

PRODUCT

Gemin4 (m): 293T Lysate represents a lysate of mouse Gemin4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Gemin4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Gemin4 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 for detailed protocols and support products.