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## Produktinformation



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Diagnostik & molekulare Diagnostik



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### Zuschläge

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- 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# TMEM178 (m): 293 Lysate: sc-179614

## BACKGROUND

Transmembrane protein 178 (TMEM178) is a 297 amino acid protein that is localized to the membrane. TMEM178 is a multi-pass membrane protein with identified homologs in mouse, rat and *Xenopus*. Human TMEM178 contains a 25 amino acid signal peptide and a mature chain that spans amino acids 26 to 297. Two isoforms of TMEM178 exist as a result of alternative splicing events. TMEM178 is encoded by a gene that maps to chromosome 2p22.1. The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Tmem178 (mouse) mapping to 17 E3.

## PRODUCT

TMEM178 (m): 293 Lysate represents a lysate of mouse TMEM178 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

TMEM178 (m): 293 Lysate is suitable as a Western Blotting positive control for mouse reactive TMEM178 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.