



# SZABO SCANDIC

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Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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

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

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



# ACCN5 (h): 293 Lysate: sc-127919

## BACKGROUND

ACCN5 (amiloride-sensitive cation channel 5), also known as INAC (intestine Na<sup>+</sup> channel) or HINAC (human intestine Na<sup>+</sup> channel), is a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. DEG/ENaC superfamily members are amiloride-sensitive sodium channels that contain intracellular N- and C-termini, two hydrophobic transmembrane regions and a cysteine-containing extracellular loop. Localizing to the cell membrane, ACCN5 is a multi-pass membrane protein that is expressed in small intestine, jejunum and duodenum. ACCN5 is also expressed at low levels in rectum and testis. Existing as a homo- or heterotetramer, ACCN5 functions as a Na<sup>+</sup>-selective cation channel that, characteristic of its family, can be inhibited by amiloride.

## REFERENCES

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2. Schaefer, L., Sakai, H., Mattei, M., Lazdunski, M. and Lingueglia, E. 2000. Molecular cloning, functional expression and chromosomal localization of an amiloride-sensitive Na<sup>+</sup> channel from human small intestine. *FEBS Lett.* 471: 205-210.
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7. Folgering, J.H., Sharif-Naeini, R., Dedman, A., Patel, A., Delmas, P. and Honoré, E. 2008. Molecular basis of the mammalian pressure-sensitive ion channels: Focus on vascular mechanotransduction. *Prog. Biophys. Mol. Biol.* 97: 180-195.

## CHROMOSOMAL LOCATION

Genetic locus: ACCN5 (human) mapping to 4q32.1.

## PRODUCT

ACCN5 (h): 293 Lysate represents a lysate of human ACCN5 transfected 293 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

ACCN5 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive ACCN5 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.

## 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.