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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Stomatin (h2): 293T Lysate: sc-170531

## BACKGROUND

Stomatin is an integral membrane protein found in lipid/protein-rich microdomains of almost all human tissues. It was named after the rare human disease haemolytic anaemia hereditary stomatocytosis. Stomatin is implicated in signal transduction and cell communication, and it may regulate cation movement through ion channels and transporters. Absence of Stomatin may cause Na<sup>+</sup> and K<sup>+</sup> ions to leak into and from erythrocytes. A second function of Stomatin may be to act as a cytoskeletal anchor. Stomatin is a major lipid-raft component of erythrocytes and epithelial cells, and is also an abundant platelet protein. It contains a single hydrophobic domain, close to the N-terminus, and a phosphorylation site.

## REFERENCES

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2. Snyers, L., Umlauf, E. and Prohaska, R. 1999. Association of Stomatin with lipid-protein complexes in the plasma membrane and the endocytic compartment. *Eur. J. Cell Biol.* 78: 802-812.
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6. Price, M.P., Thompson, R.J., Eshcol, J.O., Wemmie, J.A. and Benson, C.J. 2004. Stomatin modulates gating of acid-sensing ion channels. *J. Biol. Chem.* 279: 53886-53891.
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8. Umlauf, E., Mairhofer, M. and Prohaska, R. 2006. Characterization of the Stomatin domain involved in homo-oligomerization and lipid raft association. *J. Biol. Chem.* 281: 23349-23356.

## CHROMOSOMAL LOCATION

Genetic locus: STOM (human) mapping to 9q33.2.

## PRODUCT

Stomatin (h2): 293T Lysate represents a lysate of human Stomatin 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.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## APPLICATIONS

Stomatin (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Stomatin 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.