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# Produktinformation

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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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SANTA CRUZ BIOTECHNOLOGY, INC.

# Calnexin (h2): 293T Lysate: sc-159773

## BACKGROUND

Calnexin and Calregulin (also called calreticulin) are calcium-binding proteins that are localized to the endoplasmic reticulum, Calnexin to the membrane and Calregulin to the lumen. Calnexin is a type I membrane protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may play a role in assisting with protein assembly and in retaining unassembled protein subunits in the endoplasmic reticulum. Calregulin has both low- and high-affinity calcium-binding sites. Neither Calnexin nor Calregulin contains the calcium-binding EF-hand motif found in calmodulins. Calnexin and Calregulin are important for the maturation of glycoproteins in the endoplasmic reticulum and appear to bind many of the same proteins.

## REFERENCES


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2. David, V., Hochstenbach, F., Rajagopalan, S. and Brenner, M.B. 1993. Interaction with newly synthesized and retained proteins in the endoplasmic reticulum suggests a chaperone function for human integral membrane protein IP90 (Calnexin). J. Biol. Chem. 268: 9585-9592.
3. Tjoelker, L.W., Seyfried, C.E., Eddy, R.L., Jr., Byers, M.G., Shows, T.B., Calderon, J., Schreiber, R.B. and Gray, P.W. 1994. Human, mouse and rat Calnexin cDNA cloning: identification of potential calcium-binding motifs and gene localization to human chromosome 5. Biochemistry 33: 3229-3236.
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6. Wada, I., Imai, S., Kai, M., Sakane, F. and Kanoh, H. 1995. Chaperone function of Calreticulin when expressed in the endoplasmic reticulum as the membrane-anchored and soluble forms. J. Biol. Chem. 270: 20298-20304.


## CHROMOSOMAL LOCATION

Genetic locus: CANX (human) mapping to 5q35.3.

## PRODUCT

Calnexin (h2): 293T Lysate represents a lysate of human Calnexin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

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