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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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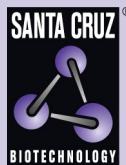
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κ -casein (m): 293T Lysate: sc-119007



BACKGROUND

Milk proteins are crucial for the development of all newborn mammals, and caseins constitute the major proteins in mammalian milk. β - and κ -casein are the only caseins present in human milk. The β -casein/ κ -casein ratio is higher in colostrum than in transitional and mature milk, and is related to a better digestibility of colostrum casein micelles by the neonate during the first days of life. κ -casein stabilizes the micellar structure of casein in mammalian milk. κ -casein gene is hypermethylated at the HpaII-MspI sites in the mammary gland of virgin, ten-day pregnant and nonlactating females, but not in ten-day lactating females. κ -casein expression inversely correlates to the extent of methylation of the κ -casein gene, except in the Prolactin-stimulated virgin gland. In the presence of the lactogenic hormones, Insulin, Aldosterone, Corticosterone and PRL, epidermal growth factor inhibits the induction of κ -casein mRNA in both mouse and rat mammary glands.

REFERENCES

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4. Menon, R.S., Chang, Y.F., Jeffers, K.F., Jones, C. and Ham, R.G. 1992. Regional localization of human β -casein gene (CSN2) to 4pter-q21. *Genomics* 13: 25-26.
5. Cuilliere, M.L., Tregotat, V., Bene, M.C., Faure, G. and Montagne, P. 1999. Changes in the κ -casein and β -casein concentrations in human milk during lactation. *J. Clin. Lab. Anal.* 13: 213-218.
6. Iametti, B.S., Tedeschi, G., Oungre, E. and Bonomi, F. 2001. Primary structure of κ -casein isolated from mares' milk. *J. Dairy Res.* 68: 53-61.

CHROMOSOMAL LOCATION

Genetic locus: Csn3 (mouse) mapping to 5 E1.

PRODUCT

κ -casein (m): 293T Lysate represents a lysate of mouse κ -casein transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

κ -casein (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive κ -casein antibodies. Recommended use: 10-20 μ l 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.