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SANTA CRUZ BIOTECHNOLOGY, INC.

TCF-19 (h): 293T Lysate: sc-175941

BACKGROUND

TCF-19 (transcription factor 19), also known as SC1 or SC1-1, is a 345 amino acid protein that contains one FHA domain, a proline-rich domain and one PHD-type zinc finger. Localizing to the nucleus, TCF-19 is a growth regulated protein that is believed to function as a *trans*-activating factor with a role in the transcription of genes involved in the late stages of cell cycle progression (G_1 to S transition or entry of cells into G_2 and mitosis). TCF-19 is expressed preferentially in the G_1-S phase of the cell cycle. The gene encoding TCF-19 localizes to a critical region on chromosome 6 that has been associated with psoriasis vulgaris, a disorder of the skin that is characterized by hyperproliferation of epidermal cells. This suggests that TCF-19, via its regulation of late cell cycle-specific genes, may play a role in the development of this disorder.

REFERENCES

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8. Nair, R.P., et al. 2006. Sequence and haplotype analysis supports HLA-C as the psoriasis susceptibility 1 gene. Am. J. Hum. Genet. 78: 827-851.

CHROMOSOMAL LOCATION

Genetic locus: TCF19 (human) mapping to 6p21.33.

PRODUCT

TCF-19 (h): 293T Lysate represents a lysate of human TCF-19 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

TCF-19 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TCF-19 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 for detailed protocols and support products.