

# ZSCAN5 (h): 293T Lysate: sc-173660

## BACKGROUND

Zinc finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger and SCAN domain-containing protein 5A (ZSCAN5), also known as ZNF495 or ZSCAN5A, is a 496 amino acid member of the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc finger protein family. Localized to the nucleus, ZSCAN5 contains five C<sub>2</sub>H<sub>2</sub>-type zinc fingers at the carboxy-terminus and one SCAN box domain, a leucine rich region of about 80 amino acids, at the amino-terminus through which it is thought to be involved in DNA-binding and transcriptional regulation.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZSCAN5A (human) mapping to 19q13.43.

## PRODUCT

ZSCAN5 (h): 293T Lysate represents a lysate of human ZSCAN5 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.

## APPLICATIONS

ZSCAN5 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZSCAN5 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.

## 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.