



TRPS1 (m2): 293T Lysate: sc-124310

BACKGROUND

The autosomal dominant tricho-rhino-phalangeal syndrome type 1 (TRPS1) is a rare disorder clinically characterized by sparse scalp hair, a bulbous nose, protruding ears, a thin upper lip, an elongated philtrum and bone deformities. The human TRPS1 gene maps to chromosome 8q23.3 and encodes a GATA-type zinc-finger protein. TRPS1 binds GATA sequences but does not activate GATA-dependent transcription. In fact, TRPS1 represses transcriptional activation mediated by other GATA factors. The noncompetitive mechanism for transcriptional repression depends upon an Ikaros-like C-terminal region. In mice, mutations in the GATA domain of TRPS1 cause facial abnormalities that parallel TRPS1 symptoms. TRPS1 is expressed during mouse embryonic development in developing joints, hair follicles, snout, lung, spine and brain.

REFERENCES

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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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: Trps1 (mouse) mapping to 15 C.

PRODUCT

TRPS1 (m2): 293T Lysate represents a lysate of mouse TRPS1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

TRPS1 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TRPS1 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.