# RGS17 (h): 293 Lysate: sc-113106



The Power to Question

### **BACKGROUND**

The regulators of G protein signaling (RGS) proteins inhibit heterotrimeric G protein signaling. RGS proteins work by functioning as GTPase-activating proteins (which increase the GTPase activity of G protein  $\alpha$  subunits) thereby driving G proteins into their inactive GDP-bound form. The human gene that encodes RGS17 (regulator of G protein signaling 17), RGS17, contains 4 exons, spans more than 33 kb and maps to chromosome 6q25.3; the mouse Rgs17 gene maps to chromosome 10 as determined by interspecific backcross mapping. RGS17 is a member of the RZ/A protein family. RZ/A proteins have a simple structure that consists of a conserved amino-terminal cysteine string motif, RGS box and short carboxyl-terminal, which confer GAP activity and the ability to undergo covalent modification and associate with other proteins (at their amino-termini).

## **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: RGS17 (human) mapping to 6q25.3.

## **PRODUCT**

RGS17 (h): 293 Lysate represents a lysate of human RGS17 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

#### **APPLICATIONS**

RGS17 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive RGS17 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.

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