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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

RERG (m): 293T Lysate: sc-123070

BACKGROUND

Members of the Ras superfamily of small GTP-binding proteins are critical mediators of diverse cell signaling pathways, including those leading to cell proliferation, cytoskeletal organization and secretion. RERG (Ras-like, estrogen-regulated, growth inhibitor) is a 199 amino acid protein that localizes to the cytoplasm and belongs to the Ras subfamily of small GTPases. Expressed in pancreas, liver, skin, lung, brain, kidney and heart tissue, RERG possesses intrinsic GTPase activity and is able to bind both GDP and GTP and, when over-expressed, may reduce overall tumorigenic potential. The gene encoding RERG maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

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CHROMOSOMAL LOCATION

Genetic locus: Rerg (mouse) mapping to 6 G1.

PRODUCT

RERG (m): 293T Lysate represents a lysate of mouse RERG 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

RERG (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RERG antibodies.

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 for detailed protocols and support products.