



GMF- γ (h): 293T Lysate: sc-115009

BACKGROUND

GMF- γ (glia maturation factor, γ), also known as GMFG, is a 142 amino acid protein that belongs to the GMF subfamily of the larger Actin-binding protein ADF family. GMF- γ is expressed predominantly in lung, heart and placenta. GMF- γ is considered a candidate regulatory growth factor protein, mediating both paracrine and autocrine cell-cell interactions. GMF- γ is phosphorylated at N-terminal serine, and its phosphorylation is enhanced by coexpression of dominant active Rac 1 and Cdc42. GMF- γ expression is significantly increased in a cardiac ischemia/reperfusion model where inflammation and angiogenesis take place actively. As a regulator of Actin-based cellular functions, GMF- γ may provide a novel approach to modulate the pathophysiology of cardiovascular diseases. GMF- γ is primarily found in proliferative and differentiative organs.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GMFG (human) mapping to 19q13.2.

PRODUCT

GMF- γ (h): 293T Lysate represents a lysate of human GMF- γ transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

GMF- γ (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive GMF- γ antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T 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.