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GSH-1 (h): 293 Lysate: sc-159279

BACKGROUND

Growth hormone-releasing hormone (GHRH) stimulates secretion and synthesis of growth hormone (GH), causes somatotroph proliferation and may have direct actions in fetal/placental development, reproduction and immune function. It exerts its action through high-affinity GHRH receptors present in the anterior pituitary. GSH-1 (GS homeobox 1) is a 264 amino acid hypothalamic nuclear protein that functions as a transcription factor responsible for maintaining GHRH expression as well as playing an important role in pituitary development. Coexpression of CBP leads to significantly enhanced GSH-1-induced GHRH expression, which suggests that CBP may function as a co-activator. Knockdown of GSH-1 mRNA in mice causes a dwarf phenotype, which suggests that certain cases of familial dwarfism may be caused by a mutation of the GSH-1 gene.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GSX1 (human) mapping to 13q12.2.

PRODUCT

GSH-1 (h): 293 Lysate represents a lysate of human GSH-1 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

GSH-1 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive GSH-1 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.

PROTOCOLS

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