

IFI-44 (h): 293T Lysate: sc-370929

BACKGROUND

The Interferon (IFN) family of proteins are able to alter the expression of a variety of target genes, thereby controlling a number of events within the cell. IFI-44 (interferon-induced protein 44), also known as p44 or MTAP44 (micro- tubule-associated protein 44), is a 444 amino acid protein that localizes to the cytoplasm and, upon induction by IFN- β s, aggregates to form microtubular structures. Human IFI-44 shares 97% sequence similarity with its chimp counterpart, suggesting a conserved role between species. The gene encoding IFI-44 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IFI44 (human) mapping to 1p31.1.

PRODUCT

IFI-44 (h): 293T Lysate represents a lysate of human IFI-44 transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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

IFI-44 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive IFI-44 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.

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.