

SSU72 (h): 293T Lysate: sc-175286

BACKGROUND

SSU72, also known as HSPC182 or PNAS-120, is a 194 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one coiled coil domain. Existing as multiple alternatively spliced isoforms, SSU72 interacts with TFIIB, Rb and DNAM-1 and functions to catalyze the dephosphorylation of target proteins, possibly playing a role in RNA processing and termination via dephosphorylation of Pol II. SSU72, the mammalian homolog of SSU72, is encoded by a gene that 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: SSU72 (human) mapping to 1p36.33.

PRODUCT

SSU72 (h): 293T Lysate represents a lysate of human SSU72 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SSU72 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SSU72 antibodies. Recommended use: 10-20 µl 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.