

hnRNP UL1 (h2): 293T Lysate: sc-177353

BACKGROUND

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to mRNA transcription and pre-mRNA processing, as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. There are approximately 20 known hnRNP proteins, and their complexes are the major constituents of the spliceosome. The majority of hnRNP protein components are localized to the nucleus, however some shuttle between the nucleus and the cytoplasm. hnRNP UL1 (heterogeneous nuclear ribonucleoprotein U-like 1), also known as E1B-AP5 or HNRNPUL1, is an 856 amino acid nuclear protein that functions as a transcriptional regulator, playing a role in mRNA processing and transport. Specifically, hnRNP UL1 binds to Adenovirus E1B-55 kDa oncoprotein and mediates nucleocytoplasmic RNA transport within E1B-55 kDa-infected cells. hnRNP UL1 is expressed as five isoforms that are produced due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HNRNPUL1 (human) mapping to 19q13.2.

PRODUCT

hnRNP UL1 (h2): 293T Lysate represents a lysate of human hnRNP UL1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

hnRNP UL1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive hnRNP UL1 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.