



ELP4 (h): 293 Lysate: sc-113804

BACKGROUND

In *Saccharomyces cerevisiae*, the hyperphosphorylated form of RNA polymerase II (RNAP II) mediates transcription elongation and associates with the elongator complex, which contains six subunits. The elongator complex can be separated into two subcomplexes; one consisting of Elp1, Elp2 and Elp3, and the other consisting of Elp4, Elp5 and Elp6. The elongator complex acetylates both core histones and nucleosomal substrates, and directs its activity specifically towards the N-terminal tails of Histone H3 and Histone H4. An analogous complex exists in mammals and contains a variety of proteins that are functional homologs of their yeast counterparts. ELP4 (elongation protein 4), also known as PAX6NEB, is a 424 amino acid protein that localizes to both the cytoplasm and the nucleus and exists as a component of the elongator complex. Widely expressed as multiple alternatively spliced isoforms, ELP4 is involved in transcriptional regulation and may play a role in chromatin remodeling.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ELP4 (human) mapping to 11p13.

PRODUCT

ELP4 (h): 293 Lysate represents a lysate of human ELP4 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ELP4 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive ELP4 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.

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.