



USP44 (h): 293 Lysate: sc-158067

BACKGROUND

The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP44 (ubiquitin specific peptidase 44) is a 712 amino acid protein that contains one UBP-type zinc finger and belongs to the peptidase C19 family. Expressed in testis, USP44, catalyzes the conversion of a ubiquitin C-terminal thioester to a free ubiquitin and a thiol. USP44 is encoded by a gene that maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: USP44 (human) mapping to 12q22.

PRODUCT

USP44 (h): 293 Lysate represents a lysate of human USP44 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

USP44 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive USP44 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.