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SSH3 (h): 293T Lysate: sc-158987

BACKGROUND

SSH3 (slingshot homolog 3), also known as SSH3L, is a 659 amino acid protein that localizes to both the nucleus and cytoplasm and is a human homolog of the *Drosophila* slingshot (SSH) protein. Functioning as a protein phosphatase, SSH3 is thought to regulate Actin filament dynamics through its control of proteins such as ADF (Actin-depolymerizing factor) and Cofilin. The ADF/Cofilin family consists of stimulus-responsive mediators that rapidly depolymerize and disassemble F-Actin in a stoichiometric manner and can be deactivated by a variety of kinases. SSH3 acts to catalytically dephosphorylate the ADF/Cofilin proteins, thereby reactivating them and allowing them to resume their control over Actin dynamics. SSH3 contains one tyrosine-protein phosphatase domain and is expressed as five isoforms due to alternative splicing events.

REFERENCES

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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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: SSH3 (human) mapping to 11q13.2.

PRODUCT

SSH3 (h): 293T Lysate represents a lysate of human SSH3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SSH3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SSH3 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.

RESEARCH USE

For research use only, not for use in diagnostic procedures.