



Calpain 15 (h2): 293T Lysate: sc-128223

BACKGROUND

Calpains are calcium-activated thiol proteases involved in intracellular processing of proteins and signal transduction. The classic Calpains are heterodimers with one large subunit, one small subunit and five EF-hand-calcium binding structures. The large subunit varies between family members and can be active without the small subunit. Widely expressed, Calpain 15, which is also known as CAPN15 or SOLH (small optic lobes homolog), is a 1,086 amino acid protein found at highest levels in brain. As a member of the peptidase C2 family, Calpain 15 exists as two alternatively spliced isoforms containing a single calpain catalytic domain and five RanBP2-type zinc fingers. Calpain 15 is encoded by a gene located on human chromosome 16 and is thought to function as an RNA-binding protein and transcription factor and has also been suggested to play a role in protein-to-protein interactions during development of the visual system.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SOLH (human) mapping to 16p13.3.

PRODUCT

Calpain 15 (h2): 293T Lysate represents a lysate of human Calpain 15 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Calpain 15 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Calpain 15 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.