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ECEL1 (h): 293T Lysate: sc-116127

BACKGROUND

ECEL1 (endothelin-converting enzyme-like 1, also designated XCE and DINE, damage-induced neuronal endopeptidase) is a member of the family of cell-surface zinc metalloproteases. This family of metalloproteases includes endothelin-converting enzyme (ECE) and neutral endopeptidase (NEP). These peptidases are involved in the post-secretory processing and metabolism of neuropeptides and peptide hormones. Following neuronal damage, proteolytic activity of ECEL1 activates antioxidant enzymes, suggesting a mechanism for how injured neurons protect themselves against death. Glycosylated ECEL1 is predominantly expressed in the central nervous system, including the spinal cord and medulla.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ECEL1 (human) mapping to 2q37.1.

PRODUCT

ECEL1 (h): 293T Lysate represents a lysate of human ECEL1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

ECEL1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ECEL1 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.

PROTOCOLS

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