FTβ (h3): 293T Lysate: sc-158522



The Power to Question

BACKGROUND

Mammalian protein farnesyl transferases are heterodimeric proteins containing two nonidentical α and β subunits that attach farnesyl residues to a cysteine at the fourth position from the COOH terminus of several proteins, including nuclear lamins and p21Ras proteins. The natural substrates contain the Cys-A-A-Xaa recognition sequence, where the A residues are aliphatic and Xaa represents methionine, serine, glutamine or cysteine. The purified farnesyl transferase is an α - β heterodimer. The β subunit, which is known as FT β , CAAX farnesyltransferase subunit β , or Ras proteins prenyltransferase subunit β , is a 437 amino acid protein that contains 5 PFTB repeats and binds the peptide substrate. The α subunit is suspected to participate in formation of a stable complex with the substrate farnesyl pyrophosphate.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FNTB (human) mapping to 14q23.3.

PRODUCT

FT β (h3): 293T Lysate represents a lysate of human FT β transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

FT β (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive FT β antibodies. Recommended use: 10-20 μ l 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.

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