SANTA CRUZ BIOTECHNOLOGY, INC.

AURA1 (h): 293T Lysate: sc-116094

BACKGROUND

AURA1 (augmented in rheumatoid arthritis 1), also known as oleoyl-ACP hydrolase (OLAH), thioesterase II, S-acyl fatty acid synthase thioesterase, medium chain (SAST) or thioesterase domain containing 1 (THEDC1), is a 265 amino acid protein belonging to the thioesterase family. A component of the fatty acid synthetase complex, AURA1 catalyzes the formation of oleoyl to oleate. AURA1 expression has been found to be augmented in bone marrow-derived mononuclear cells (BMMC) of patients with rheumatoid arthritis (RA) and is encoded by a gene that maps to human chromosome 10p13, a region associated with late-onset Alzheimer disease. Making up 4.5% of the human genome, chromosome 10 encodes roughly 800 genes including PTEN, a tumor suppressor gene that has been linked to the development of Cowden syndrome. The chromosome 10 encoded gene ERCC6 is important for DNA repair and is linked to Cockayne syndrome which is characterized by extreme photosensitivity and premature aging.

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.

CHROMOSOMAL LOCATION

Genetic locus: OLAH (human) mapping to 10p13.

PRODUCT

AURA1 (h): 293T Lysate represents a lysate of human AURA1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

AURA1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive AURA1 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.