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LBP-1C (m): 293T Lysate: sc-121313

BACKGROUND

LBP-1C, also known as TFCP2 (transcription factor CP2), CP2, LSF, SEF or TFCP2C, is a 502 amino acid nuclear protein that belongs to the GRH/CP2 family. Expressed ubiquitously with highest expression in spleen, brain, ovary, kidney, liver, thymus, heart and lung, LBP-1C binds to the promoters of several genes, such as those encoding Fibrinogen, Hemoglobin α and the viral HIV-1 protein and, via this interaction, plays a role in transcription. Specifically, LBP-1C functions as part of the stage selector protein (SSP) complex where it binds DNA as a dimer and facilitates the interaction of enhancer elements with target promoters, thereby activating transcription. Defects in the gene encoding LBP-1C may be associated with Alzheimer's Disease, depression and Purkinje cell degeneration. LBP-1C is expressed as two isoforms due to alternative splicing events.

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CHROMOSOMAL LOCATION

Genetic locus: Tfcp2 (mouse) mapping to 15 F1.

PRODUCT

LBP-1C (m): 293T Lysate represents a lysate of mouse LBP-1C transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

LBP-1C (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive LBP-1C 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.