SANTA CRUZ BIOTECHNOLOGY, INC.

Bestrophin-2 (m4): 293T Lysate: sc-118799

BACKGROUND

Bestrophin-2, also known as BEST2 or VMD2L1 (vitelliform macular dystrophy 2-like protein 1), is a 509 amino acid member of the Bestrophin family of proteins. Members of the Bestrophin family are transmembrane proteins that contain a high percentage of aromatic residues, a conserved RFP (Arg-Phe-Pro) motif and they function as anion channels. Bestrophin-2 forms a calcium-sensitive chloride channel located within the cell membrane. It is also believed that Bestrophin-2 channels may also conduct other physiological anions such as bicarbonate. Bestrophin-2 is mainly expressed in retinal pigment epithelium and colon.

REFERENCES

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7. Pifferi, S., Pascarella, G., Boccaccio, A., Mazzatenta, A., Gustincich, S., Menini, A. and Zucchelli, S. 2006. Bestrophin-2 is a candidate calcium-activated chloride channel involved in olfactory transduction. Proc. Natl. Acad. Sci. USA 103: 12929-12934.

CHROMOSOMAL LOCATION

Genetic locus: Best2 (mouse) mapping to 8 C3.

PRODUCT

Bestrophin-2 (m4): 293T Lysate represents a lysate of mouse Bestrophin-2 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.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

Bestrophin-2 (m4): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Bestrophin-2 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.

PROTOCOLS

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