

TETTRAN (h): 293T Lysate: sc-170297

BACKGROUND

TETTRAN (tetracycline transporter-like protein), also known as MFSD10 (major facilitator superfamily domain-containing protein 10), is a 455 amino acid member of the major facilitator superfamily. Localized to the membrane, TETTRAN may function as an efflux pump of organic anions, including non-steroidal anti-inflammatory drugs diclofenac and indomethacin. The gene that encodes TETTRAN maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. Chromosome 4 reportedly contains the largest gene deserts (regions of the genome with no protein encoding genes) and has one of the two lowest recombination frequencies of the human chromosomes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MFSD10 (human) mapping to 4p16.3.

PRODUCT

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

APPLICATIONS

TETTRAN (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TETTRAN antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-110760 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.