Ptx3 (m): 293T Lysate: sc-122842



The Power to Questio

BACKGROUND

Pentraxins are a protein superfamily that is characterized by a cyclic multimeric structure. Ptx3, also known as tumor necrosis factor-stimulated gene sequence-14 (TSG14), is a secreted pattern-recognition receptor that has a non-redundant role in resistance to selected microbial agents. Ptx3 belongs to the family of "long pentraxins", which have C-terminal pentraxin domains and novel amino-terminal domains. Ptx3 binds selected pathogens, including Aspergillus fumigatus, Pseudomonas aeruginosa and Salmonella typhimurium. It is synthesized in IgA glomerulonephritis and activates mesangial cells. Secretion of Ptx3 in adipose cells can be induced by TNF α . Ptx3 is also involved in amplification of inflammatory reactions and regulation of innate immunity. The human PTX3 gene maps to chromosome 3q25.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Ptx3 (mouse) mapping to 3 E1.

PRODUCT

Ptx3 (m): 293T Lysate represents a lysate of mouse Ptx3 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

Ptx3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Ptx3 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.

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