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- Mindermengenzuschlag
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- Expressversand

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NPL (m): 293T Lysate: sc-122110

BACKGROUND

NPL (N-acetylneuraminidase pyruvate lyase (dihydrodipicolinate synthase)), also known as N-acetylneuraminic acid aldolase, N-acetylneuraminidase lyase (NALase), sialic acid lyase, c112, NPL1 or DHDPS1, is a 320 amino acid cytoplasmic protein that belongs to the DHDPS family and NanA subfamily. Involved in the degradation of N-acetylneuraminidase and the metabolism of amino-sugars, NPL catalyzes N-acetylneuraminic acid cleavage via a Schiff base intermediate, forming N-acetylmannosamine and pyruvate. Able to form five alternatively spliced isoforms, NPL isoform 2 has been observed in pancreas, spleen, thymus, small intestine, peripheral blood leukocytes, placenta, liver and kidney. NPL also forms a homotetramer and is encoded by a gene located on human chromosome 1.

REFERENCES

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5. Online Mendelian Inheritance in Man, OMIM™. 2007. Johns Hopkins University, Baltimore, MD. MIM Number: 611412. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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CHROMOSOMAL LOCATION

Genetic locus: Npl (mouse) mapping to 1 G3.

PRODUCT

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

APPLICATIONS

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

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.