

Recombinant Mouse Npl Protein, Myc/DDK-tagged

Cat. No. Npl-4472M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length N-acetylneuraminate pyruvate lyase (Npl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the cleavage of N-acetylneuraminic acid (sialic acid) to form pyruvate and N-acetylmannosamine via a Schiff base intermediate. It prevents sialic acids from being recycled and returning to the cell surface. Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway.
Molecular Mass	35.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Npl N-acetylneuraminate pyruvate lyase [Mus musculus (house mouse)]
Official Symbol	Npl
Synonyms	NPL; N-acetylneuraminate pyruvate lyase; N-acetylneuraminate lyase; NALase; sialate lyase; sialic acid lyase; sialic acid aldolase; sialate-pyruvate lyase; N-acetylneuraminic acid aldolase; N-acetylneuraminate pyruvate-lyase; 0610033B02Rik
Gene ID	74091
mRNA Refseq	NM_028749
Protein Refseq	NP_083025
UniProt ID	Q9DCJ9

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