

Recombinant Mouse Nans Protein, Myc/DDK-tagged

Cat. No. Nans-4288M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length N-acetylneuraminic acid synthase (sialic acid synthase) (Nans), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Produces N-acetylneuraminate-9-phosphate (Neu5Ac-9-P) from N-acetylmannosamine 6-phosphate. Has no detectable activity towards N-acetylmannosamine or mannose 6-phosphate.
Molecular Mass	40.5 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	Nans N-acetylneuraminic acid synthase (sialic acid synthase) [Mus musculus (house mouse)]
Official Symbol	Nans
Synonyms	NANS; N-acetylneuraminic acid synthase (sialic acid synthase); sialic acid synthase; N-acetylneuraminic acid phosphate synthase; N-acetylneuraminic acid 9-phosphate synthetase; Sas; BB056474; 4632418E04Rik
Gene ID	94181
mRNA Refseq	NM_053179
Protein Refseq	NP_444409
UniProt ID	Q99J77

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