

## Recombinant Human NANP 293 Cell Lysate

**Cat. No.** NANP-3980HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for N-acetylneuraminic acid phosphatase (NANP) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [NANP N-acetylneuraminic acid phosphatase \[ Homo sapiens \]](#)

**Official Symbol** NANP

**Synonyms** NANP; N-acetylneuraminic acid phosphatase; C20orf147, chromosome 20 open reading frame 147 , haloacid dehalogenase like hydrolase domain containing 4 , HDHD4; N-acylneuraminate-9-phosphatase; dJ694B14.3; MGC26833; Neu5Ac-9-Pase; haloacid dehalogenase-like hydrolase domain containing 4; haloacid dehalogenase-like hydrolase domain-containing protein 4; HDHD4; C20orf147;

**Gene ID** [140838](#)

**mRNA Refseq** [NM\\_152667](#)

**Protein Refseq** [NP\\_689880](#)

**MIM** [610763](#)

**UniProt ID** [Q8TBE9](#)

**Chromosome Location** 20p11.1

**Pathway** Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; CMP-N-acetylneuraminate biosynthesis I (eukaryotes), conserved biosystem; Metabolic pathways, organism-specific biosystem; superpathway of sialic acid and CMP-sialic

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acid biosynthesis, conserved biosystem;

**Function**

N-acylneuraminate-9-phosphatase activity; hydrolase activity; phosphoglycolate phosphatase activity;

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