

NANP Human

Description: NANP Human Recombinant fused with a 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 284 amino acids (1-248 a.a.) and having a molecular mass of 31.9kDa. The NANP is purified by proprietary chromatographic techniques.

Catalog #: ENPS-016

For research use only.

Synonyms: N-acylneuraminate-9-phosphatase, Haloacid dehalogenase-like hydrolase domain-containing protein 4, Neu5Ac-9-Pase, NANP, HDHD4, MGC26833, C20orf147, dJ694B14.3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLGS
RVRAVFFDLD NTLIDTAGAS RRGMLEVIKL LQSKYHYKEE AEIICDKVQV KLSKECFHPY
NTCITDLRTS HWEEAIQETK GGAANRKLAE ECYFLWKSTR LQHMTLAEDV KAMLTCLRKE
VRLLLLTNGD RQTQREKIEA CACQSYFDAV VVGGEQREEK PAPSIFYCC NLLGVQPGDC
VMVGDTLETD IQ

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NANP solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT and 100mM NaCl.

Stability:

NANP should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

N-acylneuraminate-9-phosphatase (NANP) belongs to the haloacid dehalogenase (HAD) family and is responsible for dephosphorylating N-acylneuraminate 9-phosphate to form N-acylneuraminate (N-acylneuraminate 9-phosphate + H₂O = N-acylneuraminate + phosphate). The catalytic activity of NANP is relies on the presence of magnesium and is inhibited by vanadate and calcium, which is typical of the HAD phosphatase family.

To place an order, please [Click HERE](#).