

## Product datasheet for **AR09679PU-N**

### NANP (1-248, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	NANP (1-248, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGS</u> MGLS RVRAVFFDLN NTLIDTAGAS RRGMLEVIKL LQSKYHYKEE AEIICDKVQV KLSKECFHPY NTCITDLRTS HWEEAIQETK GGAANRKLAE ECYFLWKSTR LQHMTLAEDV KAMLTELRKE VRLLLLTNGD RQTQREKIEA CACQSYFDAV VVGGEQREEK PAPSIFYYCC NLLGVQPGDC VMVGDLTLETD IQGGLNAGLK ATWINKNGI VPLKSSVPH YMVSSVLELP ALLQSIDCKV SMST
Tag:	His-tag
Predicted MW:	31.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NANP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_689880</a></u>
Locus ID:	140838
UniProt ID:	<u><a href="#">Q8TBE9</a></u>
Cytogenetics:	20p11.21
Synonyms:	C20orf147; dj694B14.3; HDHD4



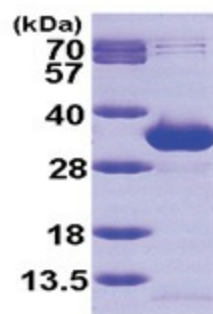
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**Summary:**

NANP (N-acylneuraminate-9-phosphatase), also known as HDHD4 (Haloacid dehalogenase-like hydrolase domain-containing protein 4), is belongs to the haloacid dehalogenase (HAD) family and is responsible for dephosphorylating N-acylneuraminate 9-phosphate to form N-acylneuraminate (N-acylneuraminate 9-phosphate + H<sub>2</sub>O = N-acylneuraminate + phosphate). Characteristic of the HAD phosphatase family, the catalytic activity of NANP is dependent upon the presence of magnesium and is inhibited by vanadate and calcium.

**Protein Pathways:**

Amino sugar and nucleotide sugar metabolism, Metabolic pathways

**Product images:**

15% SDS-PAGE (3ug)