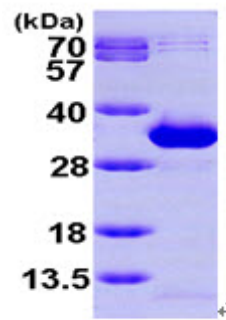


AR09679PU-N**Human NANP (1-248, His-tag) - Purified**

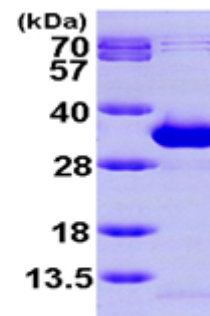
Alternate names:	C20orf147, HDHD4, N-acylneuraminate-9-phosphatase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	NANP (N-acylneuraminate-9-phosphatase), also known as HDHD4 (Haloacid dehalogenase-like hydrolase domain-containing protein 4), is belongs to the haloacid dehalogenase (HAD) family and is responsible for dephosphorylating N-acylneuraminate 9-phosphate to form N-acylneuraminate (N-acylneuraminate 9-phosphate + H ₂ 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.
Uniprot ID:	Q8TBE9
NCBI:	NP_689880
GeneID:	140838
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl
Description:	Recombinant human NANP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MRGSHHHHHH GMASMTGGOO MGRDLYDDDD KDRWGSMLGSRVRAVFFDLNNTLIDTAGASRRGMLEVIKL LQSKYHYKKE AEIICDKVQV KLSKECFHPY NTCITDLRTHWEEAIQETK GGAANRKLAE ECFYFLWKSTR LQHMTLAEDV KAMLTCLRKE VRLLLLTNGD RQTQREKIEA CACQSYFDAV VVGGEQREEK PAPSIFYYCC NLLGVQPGDC VMVGDLETDIQGGLNAGLK ATVWINKNGI VPLKSSPVPH YMVSSVLELP ALLQSIDCKV SMST</u> Molecular weight: 31.9 kDa (284aa), confirmed by MALDI-TOF
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. Shelf life: one year from despatch.
General Readings:	Hao J., et al. (2006) Biochem J. 397: 195-201. Maliekal P., et al. (2006) Glycobiology. 16:165-172.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human NANP, 1-248aa, His-tagged



15% SDS-PAGE (3ug)