

## Product datasheet for **AR09757PU-L**

### GNPNAT1 / GNA1 (1-184, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GNPNAT1 / GNA1 (1-184, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMKPDETP</u> MFDPSLLKEV DWSQNTATFS PAISPTHPGE GLVLRPLCTA DLNRGFFKVL GQLTETGVVS PEQFMKSFEH MKKSGDYVVT VVEDVTLGQI VATATLIEH KFIHSCAKRG RVEDVVSDE CRGKQLGKLL LSTLTLLSKK LNCYKITLEC LPQNVGFYKK FGYTVSEENY MCRRFLK
Tag:	His-tag
Predicted MW:	23.1 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 1 mM DTT, 30% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GNPNAT1 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>NP_932332</u>
Locus ID:	64841
UniProt ID:	<u>Q96EK6</u> , <u>A0A024R649</u>
Cytogenetics:	14q22.1
Synonyms:	GNA1; GNPNAT; Gpnat1



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**Summary:**

Glucosamine-phosphate N-acetyltransferase, also known GNPAT1, belongs to the GNA1 subfamily of the larger acetyltransferase family of proteins. It is localized to the Golgi apparatus and the endosome. It is important for UDPGlcNAc biosynthesis pathway. GNPAT1 catalyzes the synthesis of GlcNAc6P from AcCoA and GlcN6P, a step in the UDP-GlcNAc6P formation pathway.

**Protein Pathways:**

Amino sugar and nucleotide sugar metabolism

**Product images:**