

Recombinant Human GNP NAT1, His-tagged

Cat. No. GNP NAT1-26420TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GNP NAT1 with an N terminal His tag; 207 amino acids with tag, Predicted MWt 23.1 kDa.
Species	Human
Source	E.coli
ProteinLength	184 amino acids
Conjugation	HIS
Molecular Weight	23.100kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGSMKPDETPMFDPSLLKEVDWSQNTATFSPAISP THPG EGLVLRPLCTADLN RGF FKV LGQLTETGVVSPEQFMKSFEHMKKSGDY YVTV

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VEDVTLGQIVATATLIIHKFIHSCAKRGRVEDVVVSDECRGKQLGKLLLSTLTLLSKK
LNCYKITLECLPQNVGFYKKFGYTVSEENYMCRRFLK

Sequence
Similarities Belongs to the acetyltransferase family. GNA1 subfamily. Contains 1 N-acetyltransferase domain.

GENE INFORMATION

Gene Name [GNPNAT1 glucosamine-phosphate N-acetyltransferase 1 \[Homo sapiens \]](#)

Official Symbol [GNPNAT1](#)

Synonyms GNPNAT1; glucosamine-phosphate N-acetyltransferase 1; glucosamine 6-phosphate N-acetyltransferase; FLJ10607; Gpnat1;

Gene ID [64841](#)

mRNA Refseq [NM_198066](#)

Protein Refseq [NP_932332](#)

Uniprot ID [Q96EK6](#)

Chromosome Location 14q22.1

Pathway Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem;

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Function

glucosamine 6-phosphate N-acetyltransferase activity; monosaccharide binding; transferase activity, transferring acyl groups;

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