

Recombinant Human GNP NAT1, His-tagged

Cat. No. GNP NAT1-13377H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNP NAT1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-184a.a.
Description	This gene is a member of KDWK gene family. The product of this gene associates with GMEB1 protein, and the complex is essential for parvovirus DNA replication. Study of rat homolog implicates the role of this gene in modulation of transactivation by the glucocorticoid receptor bound to glucocorticoid response elements. This gene appears to use multiple polyadenylation sites.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GNP NAT1 glucosamine-phosphate N-acetyltransferase 1 [Homo sapiens]
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Official Symbol	GNPNAT1
Synonyms	GNPNAT1; glucosamine-phosphate N-acetyltransferase 1; glucosamine 6-phosphate N-acetyltransferase; FLJ10607; Gpnat1; phosphoglucosamine acetylase; phosphoglucosamine transacetylase; GNP NAT;
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; Post-translational protein modification, organism-specific biosystem; Synthesis of UDP-N-acetyl-glucosamine, organism-specific biosystem;
Function	glucosamine 6-phosphate N-acetyltransferase activity; monosaccharide binding; transferase activity, transferring acyl groups;