

Recombinant Human GNPDA1 protein, T7/His-tagged

Cat. No. GNPDA1-236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GNPDA1 cDNA (2–289 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-289 a.a.
Form	0.1 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Sucrose.
AA Sequence	MASMTGGQQMGRGRGHHHHHHENLYFQGGEFKLIILEHYSQASEWAAKYIRNRRIIQFN PGPEKYFTLGLPTGSTPLG CYKKLIEYYKNGDLSFKYVKTFNMDEYVGLPRDHPES YHSFMWNNFFKHIDIHPENTHILDGNAVDLQAECDAFE EKIKAAAGGIELFVGGIGPD GHIAFNEPGSSSLVSRTRVKTLMAMTILANARFFDGELTKVPTMALTGVGVTVMDAR E VMILITGAHKAFALYKAIEEGVNHMWTVSAFQQHPRTVFVCDDEDATLELKVKTVKYF KGLMLVHNKLVDPLYSI KEKETESQSSSKPYSD
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

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Gene Name	GNPDA1 glucosamine-6-phosphate deaminase 1 [Homo sapiens]
Official Symbol	GNPDA1
Synonyms	GNPDA1; glucosamine-6-phosphate deaminase 1; glucosamine 6 phosphate isomerase , GNPI; glucosamine-6-phosphate isomerase 1; glucosamine 6 phosphate deaminase; GNPDA; GPI; HLN; KIAA0060; oscillin; GNPDA 1; glcN6P deaminase 1; GNP1; GNPI;
Gene ID	10007
mRNA Refseq	NM_005471
Protein Refseq	NP_005462
MIM	601798
UniProt ID	P46926
Chromosome Location	5q21
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; N-acetylglucosamine degradation I, organism-specific biosystem; N-acetylglucosamine degradation II, organism-specific biosystem; UDP-N-acetyl-D-galactosamine biosynthesis II, organism-specific biosystem;
Function	glucosamine-6-phosphate deaminase activity; hydrolase activity;

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