

Recombinant Human GNPDA1

Cat. No. GNPDA1-28076TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GNPDA1, expressed in <i>Saccharomyces cerevisiae</i> , amino acids 1-289, 33 kDa,
Species	Human
ProteinLength	1-289 a.a.
Description	Glucosamine-6-phosphate deaminase (EC 3.5.99.6) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium (Arreola et al.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MKLIILEHYSQASEWAAKYIRNRIIQFNPGPEKYFTLGLP TGSTPLGICYKKLIEYYKNG DLSFKYVKTFNMDEYVGLP RDHPESYHSFMWNNFFKHIDHPENTHILDGNAVDLQ A ECDAFEEKIKAAGGIELFVGIGPDGHIAFNEPGSSLVSR TRVKTLAMDTILANARF FDGELTKVPTMALTGVGVGTVM DAREVMILITGAHKAFALYKAIEEGVNHMWTVSFAF

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QQH PRTVFVCDEDATLELKVKTVKY

**Sequence
Similarities**

Belongs to the glucosamine/galactosamine-6-phosphate isomerase family.

Full Length

Full L.

GENE INFORMATION

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;

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,

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organism-specific biosystem;

Function

glucosamine-6-phosphate deaminase activity; hydrolase activity;

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