

## Recombinant Human GNPDA2 Protein (R2-N276), Tag Free

Cat. No. GNPDA2-0130H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GNPDA2(R2-N276 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	R2-N276
<b>Description</b>	The protein encoded by this gene is an allosteric enzyme that catalyzes the reversible reaction converting D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium. Variations of this gene have been reported to be associated with influencing body mass index and susceptibility to obesity. A pseudogene of this gene is located on chromosome 9. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

**Shipping** It is shipped out with blue ice.

## GENE INFORMATION

**Gene Name** [GNPDA2 glucosamine-6-phosphate deaminase 2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [GNPDA2](#)

**Synonyms** GNPDA2; glucosamine-6-phosphate deaminase 2; glucosamine-6-phosphate isomerase 2; glucosamine 6 phosphate isomerase; SB52; GNPDA 2; 4921523118Rik; glcN6P deaminase 2; glucosamine-6-phosphate isomerase SB52; putative glucosamine-6-phosphate isomerase; GNP2;

**Gene ID** [132789](#)

**mRNA Refseq** [NM\\_138335](#)

**Protein Refseq** [NP\\_612208](#)

**MIM** [613222](#)

**UniProt ID** [Q8TDQ7](#)

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