

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

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

SPECIFICATION

Product Overview	Recombinant Human GNPDA2(R2-N276 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	R2-N276
Description	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.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

 Tel: 1-631-559-9269 1-516-512-3133

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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; 4921523I18Rik; 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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