

Recombinant Human GNPDA2 Protein (R2-N276), His tagged

Cat. No. GNPDA2-0131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-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.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the 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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