

Recombinant Human PHGDH Protein (A4-V315), Tag Free

Cat. No. PHGDH-0276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PHGDH(A4-V315) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	A4-V315
Description	Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonooxypyruvate, the first step of the phosphorylated L-serine biosynthesis pathway. Also catalyzes the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate and the reversible oxidation of (S)-malate to oxaloacetate.
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 protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
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Shipping	It is shipped out with blue ice.
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GENE INFORMATION

Gene Name	PHGDH phosphoglycerate dehydrogenase [Homo sapiens (human)]
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Official Symbol	PHGDH
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Synonyms	PHGDH; phosphoglycerate dehydrogenase; D-3-phosphoglycerate dehydrogenase; PDG; PGDH; SERA; 3-phosphoglycerate dehydrogenase; PGD; PGAD; 3PGDH; 3-PGDH; MGC3017;
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Gene ID	26227
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mRNA Refseq	NM_006623
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Protein Refseq	NP_006614
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MIM	606879
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UniProt ID	O43175
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