

## Recombinant Human PHGDH, His-tagged

Cat. No. PHGDH-852H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PHGDH human PHGDH (O43175) (Met 1-Phe 533) was produced in E. coli with a polyhistidine tag at the C-terminus and an initial Met at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-533 a.a.
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile PBS, 100mM Arg, 0.1% Tween20, 20% glycerol, pH 8.0
<b>Molecular Mass</b>	The recombinant human PHGDH comprises 543 amino acids and has a calculated molecular mass of 58KDa. It migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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### Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	PHGDH phosphoglycerate dehydrogenase [ Homo sapiens (human) ]
<b>Official Symbol</b>	PHGDH
<b>Synonyms</b>	PHGDH; phosphoglycerate dehydrogenase; RP4-683H9.1, 3-PGDH, 3PGDH, MGC3017, PDG, PGAD, PGD, PGDH, SERA; 3-phosphoglycerate dehydrogenase; D-3-phosphoglycerate dehydrogenase; EC 1.1.1.95
<b>Gene ID</b>	<a href="#">26227</a>
<b>mRNA Refseq</b>	<a href="#">NM_006623</a>
<b>Protein Refseq</b>	<a href="#">NP_006614</a>
<b>MIM</b>	<a href="#">606879</a>
<b>UniProt ID</b>	O43175
<b>Chromosome Location</b>	1p12
<b>Pathway</b>	Glycine, serine and threonine metabolism; Metabolic pathways
<b>Function</b>	NAD or NADH binding; cofactor binding; electron carrier activity; phosphoglycerate

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dehydrogenase activity

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