

## Recombinant Human PHGDH protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PHGDH protein(O43175) (Met 1-Phe 533) was expressed in E.coli, fused 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 aa                                                                                                                                                                               |
| <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>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.   |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.          |

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## GENE INFORMATION

**Gene Name** PHGDH phosphoglycerate dehydrogenase [ Homo sapiens ]

**Official Symbol** PHGDH

**Synonyms** PHGDH; phosphoglycerate dehydrogenase; D-3-phosphoglycerate dehydrogenase; PDG; PGDH; SERA; 3-phosphoglycerate dehydrogenase; PGD; PGAD; 3PGDH; 3-PGDH; MGC3017;

**Gene ID** 26227

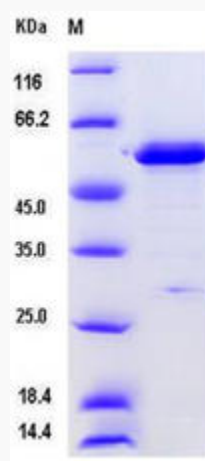
**mRNA Refseq** NM\_006623

**Protein Refseq** NP\_006614

**MIM** 606879

**UniProt ID** O43175

### SDS-PAGE



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