Recombinant Human PHGDH protein, His-tagged

Cat. No. PHGDH-3530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PHGDH protein(185-533 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	185-533 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	SFGVQQLPLEEIWPLCDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVVNCARGGIVD EGALLRALQSGQCAGAALDVFTEEPPRDRALVDHENVISCPHLGASTKEAQSRCGE EIAVQFVDMVKGKSLTGVVNAQALTSAFSPHTKPWIGLAEALGTLMRAWAGSPKGTI QVITQGTSLKNAGNCLSPAVIVGLLKEASKQADVNLVNAKLLVKEAGLNVTTSHSPAA PGEQGFGECLLAVALAGAPYQAVGLVQGTTPVLQGLNGAVFRPEVPLRRDLPLLLF RTQTSDPAMLPTMIGLLAEAGVRLLSYQTSLVSDGETWHVMGISSLLPSLEAWKQH VTEAFQFHF
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

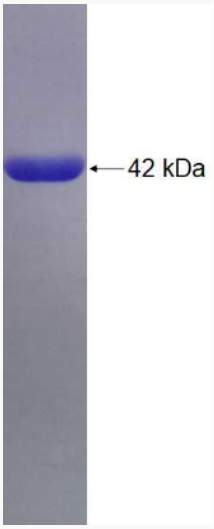
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	reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

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SDS-PAGE	

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