Recombinant Human PHGDH Protein

Catalog No.: RP03562LQ

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Sequence Information

Species
Human

Gene ID
26227

Swiss Prot
O43175

Tags
N-His-TEV

Synonyms
PHGDH, PGDH3,D-3-phosphoglycerate dehydrogenase

Product Information

Source
E. coli

Purification
≥ 90% as determined by reducing SDS-PAGE.

Calculated MW
35.4 KDa

Observed MW
30-40 kDa

Endotoxin

Formulation
Supplied as a 0.2 μm filtered solution of 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 5% glycerol, 1 mM DTT.

Reconstitution
Please use rapid thawing with running water to thaw the protein samples.For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions. Aliquots below 10 μl are not advisable.Avoid repetitive freeze-thaw cycles!

Background

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.

Basic Information

Description
Recombinant Human PHGDH Protein is produced by *E. coli* system. The target protein is expressed with sequence (Ala4-Val315) of Human PHGDH (Accession #NP_006614.2) fused His-TEV tag at the N-Terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

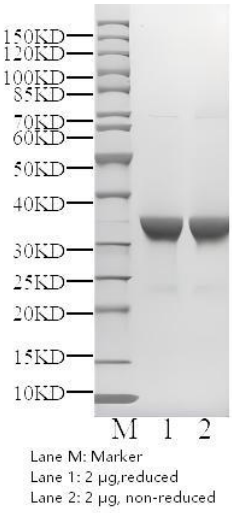
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Lane M: Marker
Lane 1: 2 μg,reduced
Lane 2: 2 μg, non-reduced

Recombinant Human PHGDH Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.