Human HPGD/15-PGDH (His Tag) recombinant protein

Catalog Number: 501737

General Information

Gene Name Synonym

Prostaglandin dehydrogenase 1; Short chain dehydrogenase/reductase family 36C member 1

Protein Construction

A DNA sequence encoding the human HPGD (NP_000851.2) (Met 1-Gln 266) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measure by the production of NADH during the oxidation of PGF2α. The specific activity is >1,500 pmoles/min/μg.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Met 1

Molecular Mass

The recombinant human HPGD comprises 272 amino acids and has a predicted molecular mass of 29.7 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM DTT, 10% glycerol, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

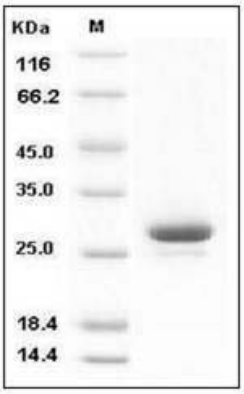
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human HPGD / 15-PGDH Protein (His Tag) SDS-PAGE