

HPGD Human

Description:HPGD Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 286 amino acids (1-266a.a.) and having a molecular mass of 31.1 kDa. HPGD is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-571

For research use only.

Synonyms:GDH1, SDR36C1, 15-PGDH, PGDH, Prostaglandin dehydrogenase 1,hydroxyprostaglandin dehydrogenase 15-(NAD)

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MHVNGKVALV TGAAQGIGRA
FAEALLKGA KVALVDWNLE AGVQCKAALD EQFEPQKTLF IQCDVADQQQ LRDTFRKVVV
HFGRLDILVN NAGVNNEKNW EKTLQINLVS VISGTYLGLD YMSKQNGGEG GIIINMSSLA
GLMPVAQQPV YCASKHGIVG FTRSAALAN LMNSGVRLNA ICPGFVNTAI LESIEKEENM
GQYIEYKDHI KD

Purity:Greater than 95% as determined by SDS-PAGE.

Formulation:

The HPGD protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl,1mM DTT and 20% glycerol.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

HPGD is the essential enzyme of prostaglandin degradation. 15-PGDH protein strongly decreases the biologic activity of these molecules by catalyzing the oxidation of the 15-hydroxyl group of prostaglandins to a keto group. GDH1 is involved in numerous physiologic and cellular processes, for instance inflammation.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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