

AR09657PU-L

Human HPGD (1-266, His-tag) - Purified

Alternate names:

15-hydroxyprostaglandin dehydrogenase, PGDH, PGDH1, Prostaglandin dehydrogenase 1

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

HPGD, also known as 15-PGDH, is the fundamental enzyme of prostaglandin degradation. This protein strongly reduces the biologic activity of these molecules by catalyzing the oxidation of the 15-hydroxyl group of prostaglandins to a keto group. HPGD is implicated in many physiologic and cellular processes, such as inflammation.

Uniprot ID:

[P15428](#)

NCBI:

[NP_000851](#)

GeneID:

[3248](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human HPGD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MHVNGKVALV TGAAGGIGRA FAEALLLKGA KVALVDWNLE
AGVQCKAALD EQFEPQKTLF IQCDVADQQQ LRDTRKVVVD HFGRDLILVN NAGVNNEKNW
EKTLQINLVS VISGTYLGLD YMSKQNGGEG GIIINMSSLA GLMPVAQQPV YCASKHGIVG
FTRSAALAN LMNSGVRLNA ICPGFVNTAI LESIEKEENM GQYIEYKDHI KDMIKYYGIL
DPPLIANGLI TLIEDDALNG AIMKITTSGK IHFQDYDTTP FQAKTQ

Molecular weight: 31.1 kDa (286aa), confirmed by MALDI-TOF

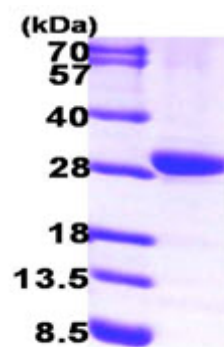
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

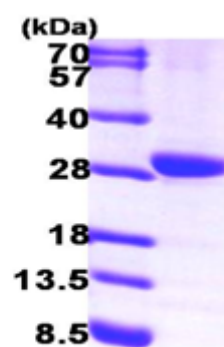
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HPGD, 1-266 aa, His-tagged



15% SDS-PAGE (3ug)