

Product information



HPGD, 1-266 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0719

Full name: 15-hydroxyprostaglandin dehydrogenase [NAD+]

NCBI Accession No.: NP_000851

Synonyms: 15-PGDH, PGDH, PGDH1, SDR36C1, Prostaglandin dehydrogenase 1

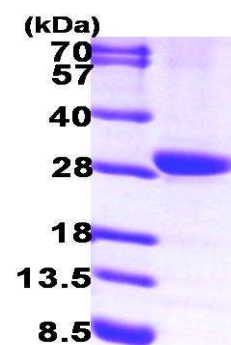
Description: HPGD, also known as 15-PGDH, is the fundamental enzyme of prostaglandin degradation. This protein strongly reduces the biologic activity of these molecules by catalyzing the oxidation of the 15-hydroxyl group of prostaglandins to a keto group. HPGD is implicated in many physiologic and cellular processes, such as inflammation. Recombinant human HPGD protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol
0.1M NaCl, 1mM DTT

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

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MHVNGKVALV TGAAQGIGRA FAEALLLKGA KVALVDWNLE AGVQCKAALD EQFEPQKTLF IQCDVADQQQ
LRDTFRKVVD HFGRLDILVN NAGVNNEKNW ERTLQINLVS VISGTYLGLD YMSKQNGGEG GIINMSSLA GLMPVAQQPV YCASKHGIVG
FTRSAALAN LMNSGVRINA ICPGFVNTAI LESIEKEENM GQYIEYKDH I KDMIKYYGIL DPPLIANGLI TLIEDDALNG AIMKITTSG
IHFQDYDTTP FQAKTQ

General references:

Han X., *et al.* (1995) *Equine Vet. J.* 27: 334-339.

Van Meir C.A., *et al.* (1996) *Placenta* 17: 291-297.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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