

HPGD recombinant protein

HPGD, 1-266aa, Human, His tag, E Coli

CATALOG # AAA48640	HOST E Coli	APPLICATIONS SDS-Page
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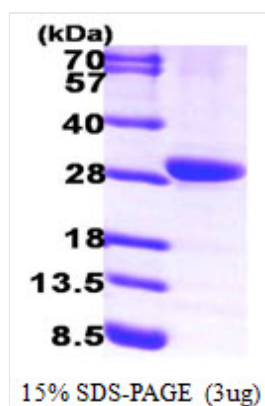
PRODUCT SYNONYMS

HPGD, 1-266aa; Human; His tag; E Coli; 15-hydroxyprostaglandin dehydrogenase [NAD+]; 15-PGDH; PGDH; PGDH1; SDR36C1; Prostaglandin dehydrogenase 1; HPGD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MHVNGKVALV TGAAQGIGRA FAEALLKGA KVALVDWNLE AGVQCKAALD EQFEPQKTLF IQCDVADQQQ LRDTRKVV D HFGRDLVLN NAGVNNEKNW EKTQINLVS VISGTYLGLD YMSKQNGGEG GIIINMSSLA GLMPVAQQP V YCASKHGIVG FTRSAALAN LMNSGVRLNA ICPGFVNTAI LESIEKEENM GQYIEYKDHI KDMIKYYGIL DPPLIANGLI TLIEDDALNG AIMKITTSKG IHFQDYDTP FQAKTQ
Sequence Length	266
Applicable Applications for HPGD recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HPGD recombinant protein	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
Product Categories/Family for HPGD recombinant protein	Immunology
References	Han X., et al. (1995) Equine Vet. J. 27: 334-339.; Van Meir C.A., et al. (1996) Placenta 17: 291-297.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542939
NCBI GeneID	3248
NCBI Accession #	NP_000851
NCBI GenBank Nucleotide #	NM_000860.5
UniProt Accession #	P15428; O00749; Q06F08; Q12998; B4DTA4; B4DU74; B4DV57; D3DP43; E7EV11
Molecular Weight	31.1 (286aa), confirmed by MALDI-TOF
NCBI Official Full Name	15-hydroxyprostaglandin dehydrogenase
NCBI Official Synonym Full Names	15-hydroxyprostaglandin dehydrogenase
NCBI Official Symbol	HPGD
NCBI Official Synonym Symbols	PGDH; PGDH1; PHOAR1; 15-PGDH; SDR36C1
NCBI Protein Information	15-hydroxyprostaglandin dehydrogenase [NAD(+)]
UniProt Protein Name	15-hydroxyprostaglandin dehydrogenase [NAD(+)]
UniProt Gene Name	HPGD
UniProt Synonym Gene Names	PGDH1; SDR36C1; 15-PGDH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hpgd-recombinant-protein-e-coli-sds-page/48640>