

## Recombinant Human HPGD Protein, GST-tagged

Cat. No. HPGD-063H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active recombinant N-terminal GST-tagged full length human HPGD protein (1-266) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-266
<b>Description</b>	This gene encodes a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and craniosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Molecular Mass</b>	55 kDa (29 kDa 15-hydroxy PGDH; 26 kDa GST tag)
<b>Purity</b>	≥90% as determined by SDS-PAGE
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to produce 1 nmol of NADH per minute at 37 centigrade in 50 mM Tris-HCl, pH 7.5, 0.1 mM DTT, 50 μM PGE2, and 1 mM NAD+.
<b>Stability</b>	≥ 6 months

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	At -80 centigrade.
<b>Storage Buffer</b>	50 mM Tris-HCl, pH 7.5, containing 1 mM EDTA, 1 mM DTT, and 30% glycerol
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HPGD 15-hydroxyprostaglandin dehydrogenase [ Homo sapiens (human) ]
<b>Official Symbol</b>	HPGD
<b>Synonyms</b>	HPGD; 15-hydroxyprostaglandin dehydrogenase; PGDH; PGDH1; PHOAR1; 15-PGDH; SDR36C1; 15-hydroxyprostaglandin dehydrogenase [NAD(+)]; 15-hydroxyprostaglandin dehydrogenase (NAD(+)); NAD+-dependent 15-hydroxyprostaglandin dehydrogenase; hydroxyprostaglandin dehydrogenase 15-(NAD); prostaglandin dehydrogenase 1; short chain dehydrogenase/reductase family 36C member 1; EC 1.1.1.141
<b>Gene ID</b>	3248
<b>mRNA Refseq</b>	NM_000860
<b>Protein Refseq</b>	NP_000851
<b>MIM</b>	601688
<b>UniProt ID</b>	P15428

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA