

Recombinant Full Length Human HPGD Protein, GST-tagged

Cat. No. HPGD-3624HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human HPGD full-length ORF (AAH18986, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 266 amino acids

Description 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 craniosteoaarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Molecular Mass 55.00 kDa

AA Sequence
 MHVNGKVALVTGAAQGIGRAFAEALLLKGAKVALVDWNLEAGVQCKAALDEQFEPQ
 KTLFIQCDVADQQQLRDTFRKVVDHFGRLDILVNNAGVNNNEKNWEKTLQINLVSVIS
 GTYLGLDYMSKQNGGEGGIIINMSSLAGLMPVAQQPVYCASKHGIVGFTRSAALAN
 LMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHIDMIKYYYGILDPPLIANGLI
 TLIEDDALNGAIMKITTSKGIHFQDYDTTPFQAKTQ

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HPGD hydroxyprostaglandin dehydrogenase 15-(NAD) [Homo sapiens]
Official Symbol	HPGD
Synonyms	HPGD; hydroxyprostaglandin dehydrogenase 15-(NAD); 15-hydroxyprostaglandin dehydrogenase [NAD(+)]; SDR36C1; short chain dehydrogenase/reductase family 36C; member 1; prostaglandin dehydrogenase 1; NAD+-dependent 15-hydroxyprostaglandin dehydrogenase; short chain dehydrogenase/reductase family 36C, member 1; PGDH; PGDH1; PHOAR1; 15-PGDH;
Gene ID	3248
mRNA Refseq	NM_000860
Protein Refseq	NP_000851
MIM	601688

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UniProt ID

P15428

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