

Recombinant Human HPGD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HPGD-5147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HPGD MS Standard C13 and N15-labeled recombinant protein (NP_000851) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 craniosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	29 kDa
AA Sequence	MHVNGKVALVTGAAQGIGRAFAEALLKGAKVALVDWNLEAGVQCKAALDEQFEPQ KTLFIQCDVADQQQLRDTFRKVVDFHGRDLILVNNAGVNNEKNWEKTLQINLVSVIS GTYLGLDYMSKQNGGEGGIIINMSSLAGLMPVAQQPVYCASKHGIVGFTRSAALAN LMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHIKDMIKYYGILDPPLIANGLI TLIEDDALNGAIMKITTSKGIHFQDYDTTPFQAKTQTRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

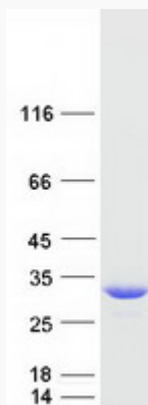
GENE INFORMATION

Gene Name	HPGD 15-hydroxyprostaglandin dehydrogenase [Homo sapiens (human)]
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
UniProt ID	P15428

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SDS-PAGE

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