

Recombinant Human HPGD protein, GST-tagged

Cat. No. HPGD-13922H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPGD protein(1-266 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-266 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MHVNGKVALVTGAAQGIGRAFAEALLLKAKVALVDWNLEAGVQCKAALDEQFEPQ KTLFIQCDVADQQQLRDTFRKVVDHFGRLDILVNNAGVNNNEKNWEKTLQINLVSVIS GTYLGLDYMSKQNGGEGGIIINMSSLAGLMPVAQQPVYCASKHGIVGFTRSAALAAN LMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHIKDMIKYYGILDPPLIANGLI TLIEDDALNGAIMKITTSKGIHFQDYDTTPFQAKTQ
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

UniProt ID

P15428

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SDS-PAGE

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