

Recombinant Human HPGD, His-tagged

Cat. No. HPGD-15H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human 15-Hydroxyprostaglandin Dehydrogenase [NAD(+)]/HPGD is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Gln266) of Human HPGD fused with a polyhistidine tag at the C-terminus.

Species Human

Source HEK293

AA Sequence MHVNGKVALVTGAAQGIGRAFAEALLLKAKVALVDWNLEAGVQCKAALDEQFEPQ
KTLF IQCD VADQQQLRDTFRKVVDHFGRLDILVNNAGVNNEKNWEKTLQINLVSVIS
GTYLGLD YMSKQNGG EGGIINMSSLAGLMPVAQQPVYCAKSHGIVGFTRSAALAA
NLMNSGVRLNA ICPGFVNTAILE SIEKEENMGQYIEYKDHDKMIKYYGILDPPLIANG
LITLIEDDALNG AIMKITTSGIHFQDY DTPPFQAKTQVDHHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name HPGD hydroxyprostaglandin dehydrogenase 15-(NAD) [Homo sapiens]

Official Symbol HPGD

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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
Chromosome Location	4q34-q35
Pathway	Prostaglandin Synthesis and Regulation, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	15-hydroxyprostaglandin dehydrogenase (NAD+) activity; 15-hydroxyprostaglandin dehydrogenase (NAD+) activity; NAD binding; NAD+ binding; catalytic activity; nucleotide binding; oxidoreductase activity; prostaglandin E receptor activity; protein homodimerization activity;

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