

## Product datasheet for **KN204160LP**

### Prostaglandin dehydrogenase 1 (HPGD) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Prostaglandin dehydrogenase 1
Locus ID:	3248
Components:	<b>KN204160G1</b> , Prostaglandin dehydrogenase 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204160G2</b> , Prostaglandin dehydrogenase 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204160LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_000860</a> , <a href="#">NM_001145816</a> , <a href="#">NM_001256301</a> , <a href="#">NM_001256305</a> , <a href="#">NM_001256306</a> , <a href="#">NM_001256307</a> , <a href="#">NR_027332</a> , <a href="#">NM_001363574</a>
UniProt ID:	<a href="#">P15428</a>
Synonyms:	15-PGDH; PGDH; PGDH1; PHOAR1; SDR36C1
Summary:	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 cranioosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]



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## Product images:

