

## Product datasheet for **KN314183LP**

### Ptgs2 Mouse 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:	Ptgs2
Locus ID:	19225
Components:	<b>KN314183G1</b> , Ptgs2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN314183G2</b> , Ptgs2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN314183LPD</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_011198</a>
UniProt ID:	<a href="#">Q05769</a>
Synonyms:	Cox-2; COX2; gripghs; PES-2; PGHS-2; Pghs2; PHS-2; PHS II; TIS10
Summary:	This gene encodes an enzyme that is a member of the prostaglandin G/H synthase family. The encoded protein converts arachidonic acid to prostaglandin endoperoxide H2 which is a key enzymatic step in prostaglandin biosynthesis. This gene is the inducible prostaglandin G/H synthase family member that is upregulated during inflammation. Aberrant regulation of this gene is associated with cancer progression in several tissues and an increased risk of cardiovascular events. This gene is the target of many non-steroidal anti-inflammatory drugs. [provided by RefSeq, Sep 2015]



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Product images:

