

Product datasheet for KN314183RB

Product datasileet for kins 14 165kg

Ptgs2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD Symbol: Ptgs2 Locus ID: 19225

Components: KN314183G1, Ptgs2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN314183G2, Ptgs2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN314183RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, 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:
 NM 011198

 UniProt ID:
 Q05769

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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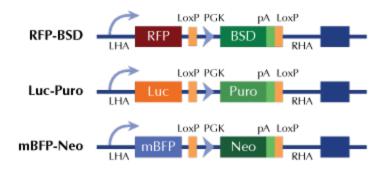
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter