

Product datasheet for KN314183BN

Product datasneet for kins 14 183BN

Ptgs2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

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)

KN314183BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 011198</u>

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]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



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