

Product datasheet for KN314182BN

Ptgs1 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: Ptgs1 Locus ID: 19224

KN314182G1, Ptgs1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN314182G2, Ptgs1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN314182BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 008969

UniProt ID: P22437

Synonyms: Cox-1; Cox-3; COX1; PGHS-1; Pghs1; PHS 1

Summary: This is one of two genes encoding similar enzymes that catalyze the conversion of

> arachinodate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has

been identified as a moonlighting protein. [provided by RefSeq, Jan 2014]



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

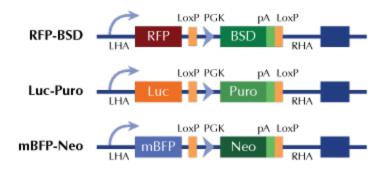
CN: techsupport@origene.cn

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