

Product datasheet for **KN314182BN**

Ptgs1 Mouse Gene Knockout Kit (CRISPR)

Product data:

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| 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 |
| Components: | <p>KN314182G1, Ptgs1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN314182G2, Ptgs1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN314182BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| 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] |



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Product images:

