

Product datasheet for **KN204074RB**

CYP1B1 Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control |
| Donor DNA: | RFP-BSD |
| Symbol: | CYP1B1 |
| Locus ID: | 1545 |
| Components: | <p>KN204074G1, CYP1B1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204074G2, CYP1B1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204074RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| RefSeq: | NM_000104 |
| UniProt ID: | Q16678 |
| Synonyms: | CP1B; CYPIB1; GLC3A; P4501B1 |
| Summary: | <p>This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid. [provided by RefSeq, Jul 2008]</p> |



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Product images:

