

Product datasheet for **KN210364RB**

PD1 (PDCD1) 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: | PD1 |
| Locus ID: | 5133 |
| Components: | <p>KN210364G1, PD1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210364G2, PD1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210364RBD, 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_005018 |
| UniProt ID: | Q15116 |
| Synonyms: | CD279; hPD-1; hPD-I; hSLE1; PD-1; PD1; SLEB2 |
| Summary: | <p>Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]</p> |



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Product images:

