

Product datasheet for **KN219997LP**

TNFRSF18 Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | TNFRSF18 |
| Locus ID: | 8784 |
| Components: | KN219997G1 , TNFRSF18 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN219997G2 , TNFRSF18 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN219997LPD , donor DNA containing left and right homologous arms and Luciferase-Puro 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_004195](#), [NM_148901](#), [NM_148902](#)

UniProt ID: [Q9Y5U5](#)

Synonyms: AITR; CD357; GTR; GTR-D

Summary: This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Feb 2011]



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Product images:

