

Product datasheet for **KN308748LP**

Keap1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Keap1
Locus ID:	50868
Components:	KN308748G1 , Keap1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN308748G2 , Keap1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN308748LPD , 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_001110305 , NM_001110306 , NM_001110307 , NM_016679
UniProt ID:	Q9Z2X8
Synonyms:	INRF2; mKIAA0132
Summary:	Acts as a substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1 and targets NFE2L2/NRF2 for ubiquitination and degradation by the proteasome, thus resulting in the suppression of its transcriptional activity and the repression of antioxidant response element-mediated detoxifying enzyme gene expression. Retains NFE2L2/NRF2 and may also retain BPTF in the cytosol. Targets PGAM5 for ubiquitination and degradation by the proteasome (By similarity).[UniProtKB/Swiss-Prot Function]



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Product images:

