

Product datasheet for **KN217897LP**

NEDD4 2 (NEDD4L) 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: | NEDD4 2 |
| Locus ID: | 23327 |
| Components: | KN217897G1 , NEDD4 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN217897G2 , NEDD4 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN217897LPD , 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_001144964 , NM_001144965 , NM_001144966 , NM_001144967 , NM_001144968 , NM_001144969 , NM_001144970 , NM_001144971 , NM_001243960 , NM_015277 |
| UniProt ID: | Q96PU5 |
| Synonyms: | hNEDD4-2; NEDD4-2; NEDD4.2; RSP5 |
| Summary: | This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein mediates the ubiquitination of multiple target substrates and plays a critical role in epithelial sodium transport by regulating the cell surface expression of the epithelial sodium channel, ENaC. Single nucleotide polymorphisms in this gene may be associated with essential hypertension. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012] |



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Product images:

