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Product datasheet for KN206255

AMBRA1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: AMBRA1

Locus ID: 55626

Components: **KN206255G1**, AMBRA1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCCAGAAAAGAATGCTGTC
KN206255G2, AMBRA1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGATACTCTGGGGGCGAGAA
KN206255D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TACAGGCATC GTGGTGTCAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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.

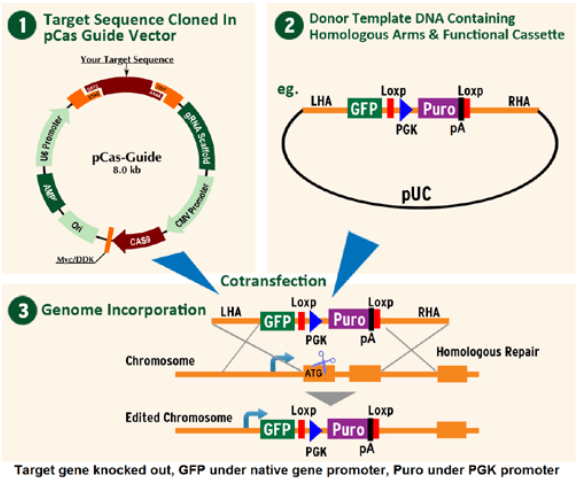
RefSeq: NM_001267782, NM_001267783, NM_001300731, NM_017749, NM_001367468, NM_001367470, NM_001367471, NM_001367469, NR_160027

UniProt ID: Q9C0C7

Synonyms: DCAF3; WDR94

Summary: Regulates autophagy and development of the nervous system. Involved in autophagy in controlling protein turnover during neuronal development, and in regulating normal cell survival and proliferation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter