

Product datasheet for **KN301262**

Ankrd1 Mouse 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:	Ankrd1
Locus ID:	107765
Components:	<p>KN301262G1, Ankrd1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTAAGAGAAGGTGGTTGAG</p> <p>KN301262G2, Ankrd1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCTTTCTCAGGAATAATGTG</p> <p>KN301262D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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CAGACATCAC TCCAGAGAAT TCCAAACAGA TAGAGACAAG TGGCACCCAG ACCCATCTCC TTCCCCTCGG
GCTGATTATC CCCAGAAATA GGATGTCCCA AAGCAACACT TCCCAGCCAA CTGGAGTGCT GATAAGTCCA
GTTATCAGAA AGATATGGCT GTAAGTGTGA TGCACAGTGC TTGCATTTTC TTGATACGTT AGTCATATGA
GAGCTGACAA AGAAGGAAAA AGAGCAGCGA TGTGGTGCAA TATTAACAGG CAGCTGTCCC CTGGCTTCCC
GATACGTGGG ATGACTCGCA TTGCTGAGCG GTGTGGTCAC TGCCAAAGGA ATGACCCTCT CACATTTCTT
CCTGATTCGC ATACGCCGCG GCCAGTTGT CATCTCCCTC TTGGGCTTCC CAGACACTAA GTCTGGAATG
AAAATTCACC TGCTCTGAA TTGGCCACTG GTGGGGCAG GGGTGTGACT TGGCTTCCCA GGCTGGAAGA
TTATCTCACC CAGCCCTAGC TATATAACGG GCTGGTGTGG AGGGGCTCCA CAGGGCCAGT TCCAGGGGTT
CATCCACAAG AGAGAAAAAC ATAGACTCAC GGCTGCCAAC TGATGCTCAT CTTAATTGTG AGAGGAAGGC
AGGCACCTGG GATACCTGGA GCTATGCTCC AGACAGTGCA CCGCCTGAAG GTGGCTGTCG CTGGATGGAG
AGGAAGGACC TCCTGTGGCA TTGTTTGTGG ACAGTTACCC CAAGATGGGT AGCTTTGCTT CTGACTTCAA
CATCTTCTTC ACATACAGGT AACAGGCAAA AAGAACAGCA ATGGGGCCGC AGGGGAATTC CTTCTGGGG
AGTTCAGAAA TGGAGAATAT GAAGCTGCTG TTGCTTTGGA GAAGCAAGAG GACCTGAAGA CACTTCCGGC
CAACAGCGTG AAGCAGGGGG AGGAACAACG GAAAAGCGAG AAAGTGCAGG AGGCAGAGGT GAGGACCTCC
CACAAAATCC TAGTGGGAGT GGGGTACGGA GGTCCCTGAG GAAGAGGGGA AGAGAGGAGG AAAACAATA
AAAAGTGTCT TAAAGATGTC TTTTACCAG ATATGAAGCG CATGATGCAA AGAAGCAGTG CACATGGAAA
TGACTGGGGG AATTACTTTT GGATTCCTCC TGTGTGGAGG GTTGAATCAA TGATTGAATG TGCTATGACC
ACGTTTTGAT

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GE100003, scramble sequence in pCas-Guide vector



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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_013468](#)

UniProt ID: [Q9CR42](#)

Synonyms: Alrp; CARP; Crap; MARP1

Summary: May play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes.[UniProtKB/Swiss-Prot Function]

Product images:

