

Product datasheet for **KN217988**

AKAP2 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:	AKAP2
Locus ID:	11217
Components:	<p>KN217988G1, AKAP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCGGGGGTCCAGGAGACTC</p> <p>KN217988G2, AKAP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGACTCCGGGGGAAGGCGAG</p> <p>KN217988D, 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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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:

[N51499](#)

Summary:

The protein encoded by this gene binds to the regulatory subunit of protein kinase A and is found associated with the actin cytoskeleton. The encoded protein mediates signals carried by cAMP and may be involved in creating polarity in certain signaling processes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

Product images:

