

Product datasheet for **KN220612RB**

BRD2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	BRD2
Locus ID:	6046
Components:	<p>KN220612G1, BRD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN220612G2, BRD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN220612RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	<u>NM_001113182</u> , <u>NM_001199455</u> , <u>NM_001199456</u> , <u>NM_001291986</u> , <u>NM_005104</u> , <u>NR_037625</u>
UniProt ID:	<u>P25440</u>
Synonyms:	D6S113E; FSH; FSRG1; NAT; RING3; RNF3
Summary:	<p>This gene encodes a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of proteins. This protein associates with transcription complexes and with acetylated chromatin during mitosis, and it selectively binds to the acetylated lysine-12 residue of histone H4 via its two bromodomains. The gene maps to the major histocompatibility complex (MHC) class II region on chromosome 6p21.3, but sequence comparison suggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Multiple alternatively spliced variants have been described for this gene. [provided by RefSeq, Dec 2010]</p>



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Product images:

