

## Product datasheet for **KN215064BN**

### **B7H3 (CD276) Human Gene Knockout Kit (CRISPR)**

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	B7H3
Locus ID:	80381
Components:	<b>KN215064G1</b> , B7H3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN215064G2</b> , B7H3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN215064BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001024736</a> , <a href="#">NM_025240</a> , <a href="#">NM_001329628</a> , <a href="#">NM_001329629</a>
UniProt ID:	<a href="#">Q5ZPR3</a>
Synonyms:	4lg-B7-H3; B7-H3; B7H3; B7RP-2
Summary:	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]



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Product images:

