

Product datasheet for **KN200469RB**

GRB2 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:	GRB2
Locus ID:	2885
Components:	KN200469G1 , GRB2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN200469G2 , GRB2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN200469RBD , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. 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_002086](#), [NM_203506](#)

UniProt ID: [P62993](#)

Synonyms: ASH; EGFRBP-GRB2; Grb3-3; MST084; MSTP084; NCKAP2

Summary: The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of *C.elegans*, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



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Product images:
