

Product datasheet for **KN208604RB**

HIF 2 alpha (EPAS1) 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: HIF 2 alpha

Locus ID: 2034

Components: **KN208604G1**, HIF 2 alpha gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN208604G2, HIF 2 alpha gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN208604RBD, 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_001430](#)

UniProt ID: [Q99814](#)

Synonyms: bHLHe73; ECYT4; HIF2A; HLF; MOP2; PASD2

Summary: This gene encodes a transcription factor involved in the induction of genes regulated by oxygen, which is induced as oxygen levels fall. The encoded protein contains a basic-helix-loop-helix domain protein dimerization domain as well as a domain found in proteins in signal transduction pathways which respond to oxygen levels. Mutations in this gene are associated with erythrocytosis familial type 4. [provided by RefSeq, Nov 2009]



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Product images:

