

## Product datasheet for **KN204230**

### FGFR4 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:	FGFR4
Locus ID:	2264
Components:	<p><b>KN204230G1</b>, FGFR4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAGGAAGTGGAGCTTGTA</p> <p><b>KN204230G2</b>, FGFR4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACTCAGCAGGACCCCAACA</p> <p><b>KN204230D</b>, 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:**

[NM\\_001291980](#), [NM\\_002011](#), [NM\\_022963](#), [NM\\_213647](#), [NM\\_001354984](#)

**UniProt ID:**

[P22455](#)

**Synonyms:**

CD334; JTK2; TKF

**Summary:**

The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment, and a cytoplasmic tyrosine kinase domain. The extracellular portion interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. [provided by RefSeq, Aug 2017]

**Product images:**
