

## Product datasheet for KN202760RB

# **TFPI2 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:** TFPI2 Symbol: 7980 Locus ID:

**KN202760G1**, TFPI2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN202760G2, TFPI2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202760RBD, 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 001271003, NM 001271004, NM 006528

**UniProt ID:** P48307

Synonyms: PP5; REF1; TFPI-2

Summary: This gene encodes a member of the Kunitz-type serine proteinase inhibitor family. The

> protein can inhibit a variety of serine proteases including factor VIIa/tissue factor, factor Xa, plasmin, trypsin, chymotryspin and plasma kallikrein. This gene has been identified as a tumor suppressor gene in several types of cancer. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Aug 2012]



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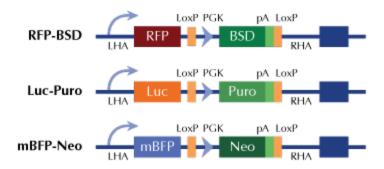
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# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter