

Product datasheet for **KN202760LP**

TFPI2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	TFPI2
Locus ID:	7980
Components:	KN202760G1 , TFPI2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN202760G2 , TFPI2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202760LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **Luciferase-Puro in green**; **Right arm in violet**

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CGGAGGACCG AAGGAGCTAA CCGTTTTTT GCACAACATG GGGGATCATG TAACTCGCT T

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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_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, chymotrypsin 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]

Product images:
