

## Product datasheet for **KN214478RB**

### ITIH5 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:	ITIH5
Locus ID:	80760
Components:	<b>KN214478G1</b> , ITIH5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN214478G2</b> , ITIH5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN214478RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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\\_001001851](#), [NM\\_030569](#), [NM\\_032817](#)

**UniProt ID:** [Q86UX2](#)

**Synonyms:** ITI-HC5; PP14776

**Summary:** This gene encodes a heavy chain component of one of the inter-alpha-trypsin inhibitor (ITI) family members. ITI proteins are involved in extracellular matrix stabilization and in the prevention of tumor metastasis. They are also structurally related plasma serine protease inhibitors and are composed of a light chain and varying numbers of heavy chains. This family member is thought to function as a tumor suppressor in breast and thyroid cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]



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## Product images:

