

Product datasheet for **KN200314**

HSF1 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:	HSF1
Locus ID:	3297
Components:	<p>KN200314G1, HSF1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGTCCGGGTCGCTCACGA</p> <p>KN200314G2, HSF1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGGGTCCACAGCTTGTC</p> <p>KN200314D, 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_005526](#)

UniProt ID:

[Q00613](#)

Synonyms:

HSTF1

Summary:

The product of this gene is a transcription factor that is rapidly induced after temperature stress and binds heat shock promoter elements (HSE). This protein plays a role in the regulation of lifespan. Expression of this gene is repressed by phosphorylation, which promotes binding by heat shock protein 90. [provided by RefSeq, Jul 2017]

Product images:

