

Product datasheet for **KN211418**

HIP1 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:	HIP1
Locus ID:	3092
Components:	<p>KN211418G1, HIP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCAAGGTGCTGAGCCGGCG</p> <p>KN211418G2, HIP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGGTTGGGCACCTGCTTCA</p> <p>KN211418D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 GTTTGCGCAA CGTTGTTGCC ATTGCTACAG GCATCGTGGT GTCACGCTCG TCGTTTGGTA TGGCTTCATT
 CAGCTCCGGT TCCCAACGAT C

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_001243198](#), [NM_005338](#)

UniProt ID:

[O00291](#)

Synonyms:

HIP-1; ILWEQ; SHON; SHONbeta; SHONGamma

Summary:

The product of this gene is a membrane-associated protein that functions in clathrin-mediated endocytosis and protein trafficking within the cell. The encoded protein binds to the huntingtin protein in the brain; this interaction is lost in Huntington's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:

