

## Product datasheet for **KN201070**

### HSP90AB1 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:** HSP90AB1  
**Locus ID:** 3326  
**Components:** **KN201070G1**, HSP90AB1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATCTCTAATGCTTCTGATGT  
**KN201070G2**, HSP90AB1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CATTAGAGATCAACTCCCGA  
**KN201070D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

**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\\_001271969](#), [NM\\_001271970](#), [NM\\_001271971](#), [NM\\_001271972](#), [NM\\_007355](#), [NR\\_073528](#)

**UniProt ID:**

[P08238](#)

**Synonyms:**

D6S182; HSP84; HSP90B; HSPC2; HSPCB

**Summary:**

This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012]

Product images:

