

## Product datasheet for **KN208175**

### MAVS 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:** MAVS  
**Locus ID:** 57506  
**Components:** **KN208175G1**, MAVS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATTGCGGCAGATATACTTAT  
**KN208175G2**, MAVS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGAAGTGACAGCCCGACAC  
**KN208175D**, 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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 GGAGCTAACG GCTTTTTTGC ACAACATGGG GGATCATGTA ACTCGCCTT

**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\\_001206491](#), [NM\\_020746](#), [NR\\_037921](#), [NR\\_037922](#)

**UniProt ID:**

[Q7Z434](#)

**Synonyms:**

CARDIF; IPS-1; IPS1; VISA

**Summary:**

This gene encodes an intermediary protein necessary in the virus-triggered beta interferon signaling pathways. It is required for activation of transcription factors which regulate expression of beta interferon and contributes to antiviral innate immunity. [provided by RefSeq, Jul 2020]

Product images:

