

Product datasheet for **KN200009**

PPME1 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: PPME1
Locus ID: 51400
Components: **KN200009G1**, PPME1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGGTGCATGCTCTTTTCG
KN200009G2, PPME1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCGGAGCCAAGATGCGAAT
KN200009D, 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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 ACAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT CATTACGCTC CGTTTCCCAA CGATC

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_001271593](#), [NM_016147](#)

UniProt ID:

[Q9Y570](#)

Synonyms:

PME-1

Summary:

This gene encodes a protein phosphatase methylesterase localized to the nucleus. The encoded protein acts on the protein phosphatase-2A catalytic subunit and supports the ERK pathway through dephosphorylation of regulatory proteins. It plays a role in malignant glioma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]

Product images:

