

# **Product datasheet for KN300746BN**

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OriGene Technologies, Inc.

## **Acp5 Mouse Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

**Donor DNA:** mBFP-Neo

Symbol: Acp5 Locus ID: 11433

**Components:** KN300746G1, Acp5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN300746G2**, Acp5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN300746BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

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: <u>NM 001102404, NM 001102405, NM 007388</u>

UniProt ID: Q05117

Synonyms: TRACP; TRAP

**Summary:** May play a role in the process of bone resorption. The osteoclastic trap acts on nucleotide tri-

and diphosphates with higher affinity, compared with other substrates.[UniProtKB/Swiss-Prot

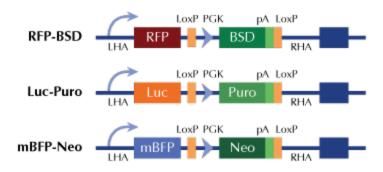
Function]





# **Product images:**

## Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter