

## **Product datasheet for KN212925BN**

#### OriGene Technologies, Inc.

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### **OGR1 (GPR68) Human 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: OGR1 Locus ID: 8111

**Components:** KN212925G1, OGR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN212925G2, OGR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN212925BND, 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 001177676, NM 003485, NM 001348437</u>

UniProt ID: Q15743

Synonyms: GPR12A; OGR1

**Summary:** The protein encoded by this gene is a G protein-coupled receptor for

sphingosylphosphorylcholine. The encoded protein is a proton-sensing receptor, inactive at pH 7.8 but active at pH 6.8. Mutations in this gene are a cause of amelogenesis imperfecta.

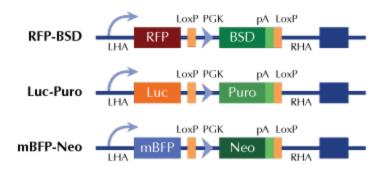
[provided by RefSeq, Feb 2017]





# **Product images:**

### Donor Vector Edited Chromosome



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