

## Product datasheet for KN202665LP

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### **UFM1 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

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

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: UFM1 Locus ID: 51569

**Components:** KN202665G1, UFM1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202665G2, UFM1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202665LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: NM 001286703, NM 001286704, NM 001286705, NM 001286706, NM 016617, NR 104584,

NR 104585

UniProt ID: P61960

Synonyms: BM-002; C13orf20

**Summary:** UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating

enzyme UBA5 (UBE1DC1; MIM 610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in

a manner analogous to ubiquitylation (see UBE2M; MIM 603173) (Komatsu et al., 2004

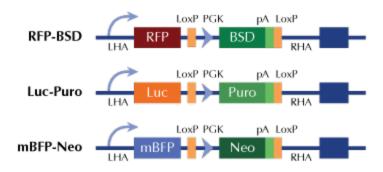
[PubMed 15071506]).[supplied by OMIM, Dec 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



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