

## Product datasheet for KN319361BN

# Wdr45 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

Wdr45 Symbol:

Locus ID: 54636

**KN319361G1**, Wdr45 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN319361G2**, Wdr45 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN319361BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001290792, NM 001290794, NM 001290795, NM 172372

**UniProt ID:** Q91VM3

Synonyms: C79260; DXImx38e; JM5; Sfc19; Wdrx1; WIPI-4

Component of the autophagy machinery that controls the major intracellular degradation **Summary:** 

> process by which cytoplasmic materials are packaged into autophagosomes and delivered to lysosomes for degradation. Activated by the STK11/AMPK signaling pathway upon starvation, WDR45 is involved in autophagosome assembly downstream of WIPI2, regulating the size of forming autophagosomes. Probably recruited to membranes through its PtdIns3P activity.

[UniProtKB/Swiss-Prot Function]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

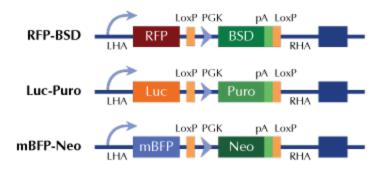
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Product images:**

### Donor Vector Edited Chromosome



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