

### Product datasheet for KN211884BN

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# MKS1 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: MKS1 Locus ID: 54903

**Components: KN211884G1**, MKS1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN211884G2**, MKS1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN211884BND, 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: NM 001165927, NM 001321268, NM 001321269, NM 001330397, NM 017777

UniProt ID: Q9NXB0

Synonyms: BBS13; JBTS28; MES; MKS; POC12

**Summary:** The protein encoded by this gene localizes to the basal body and is required for formation of

the primary cilium in ciliated epithelial cells. Mutations in this gene result in Meckel syndrome type 1 and in Bardet-Biedl syndrome type 13. Multiple transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Sep 2009]



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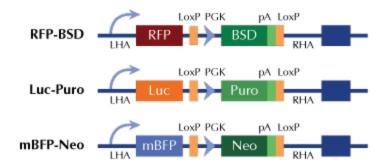
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## **Product images:**

#### Donor Vector Edited Chromosome



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