

## Product datasheet for **KN311264RB**

### Nsmf Mouse Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Nsmf
Locus ID:	56876
Components:	<b>KN311264G1</b> , Nsmf gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN311264G2</b> , Nsmf gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN311264RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001039386</a> , <a href="#">NM_001039387</a> , <a href="#">NM_001177654</a> , <a href="#">NM_001177655</a> , <a href="#">NM_020276</a>
UniProt ID:	<a href="#">Q99NF2</a>
Synonyms:	Jacob; Nelf
Summary:	Couples NMDA-sensitive glutamate receptor signaling to the nucleus and triggers long-lasting changes in the cytoarchitecture of dendrites and spine synapse processes. Part of the cAMP response element-binding protein (CREB) shut-off signaling pathway. Stimulates outgrowth of olfactory axons and migration of gonadotropin-releasing hormone (GnRH) and luteinizing-hormone-releasing hormone (LHRH) neuronal cells.[UniProtKB/Swiss-Prot Function]



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## Product images:

