

## Product datasheet for **TL312052V**

### **KDM4B Human shRNA Lentiviral Particle (Locus ID 23030)**

#### **Product data:**

Product Type:	shRNA Lentiviral Particles
Product Name:	KDM4B Human shRNA Lentiviral Particle (Locus ID 23030)
Locus ID:	23030
Synonyms:	JMJD2B; TDRD14B
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	KIAA0876 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">NM_015015</a> , <a href="#">NM_015015.1</a> , <a href="#">NM_015015.2</a> , <a href="#">BC015378</a> , <a href="#">BC040014</a> , <a href="#">BC046167</a> , <a href="#">BC063889</a> , <a href="#">BC136611</a> , <a href="#">BC144292</a> , <a href="#">NM_001370093</a> , <a href="#">NM_001370094</a>
UniProt ID:	<a href="#">O94953</a>
Summary:	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate. [UniProtKB/Swiss-Prot Function]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



[View online »](#)

**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).