

## Product datasheet for **KN214459LP**

### NSUN2 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:	NSUN2
Locus ID:	54888
Components:	<b>KN214459G1</b> , NSUN2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN214459G2</b> , NSUN2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN214459LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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_001193455</a> , <a href="#">NM_017755</a> , <a href="#">NR_037947</a>
UniProt ID:	<a href="#">Q08J23</a>
Synonyms:	MISU; MRT5; SAKI; TRM4
Summary:	This gene encodes a methyltransferase that catalyzes the methylation of cytosine to 5-methylcytosine (m5C) at position 34 of intron-containing tRNA(Leu)(CAA) precursors. This modification is necessary to stabilize the anticodon-codon pairing and correctly translate the mRNA. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Mar 2011]



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## Product images:

