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Product datasheet for KN200700BN

PML Protein (PML) 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:	PML Protein
Locus ID:	5371
Components:	**KN200700G1**, PML Protein gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN200700G2**, PML Protein gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN200700BND**, 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_002675, NM_033238, NM_033239, NM_033240, NM_033242, NM_033244, NM_033245, NM_033246, NM_033247, NM_033249, NM_033250
UniProt ID:	P29590
Synonyms:	MYL; PP8675; RNF71; TRIM19
Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This phosphoprotein localizes to nuclear bodies where it functions as a transcription factor and tumor suppressor. Its expression is cell-cycle related and it regulates the p53 response to oncogenic signals. The gene is often involved in the translocation with the retinoic acid receptor alpha gene associated with acute promyelocytic leukemia (APL). Extensive alternative splicing of this gene results in several variations of the protein's central and C-terminal regions; all variants encode the same N-terminus. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

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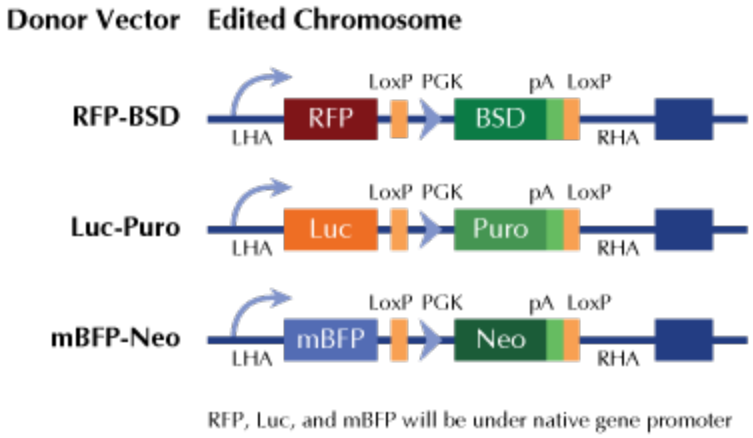
Product images:



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

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