

## Product datasheet for **KN201238LP**

### **POLD1 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:	POLD1
Locus ID:	5424
Components:	<b>KN201238G1</b> , POLD1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN201238G2</b> , POLD1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN201238LPD</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_001256849</a> , <a href="#">NM_002691</a> , <a href="#">NR_046402</a> , <a href="#">NM_001308632</a>
UniProt ID:	<a href="#">P28340</a>
Synonyms:	CDC2; CRCS10; MDPL; POLD
Summary:	This gene encodes the 125-kDa catalytic subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Mar 2012]



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## Product images:

