

Product datasheet for **KN204783RB**

XRCC4 Human Gene Knockout Kit (CRISPR)

Product data:

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|---------------|---|
| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control |
| Donor DNA: | RFP-BSD |
| Symbol: | XRCC4 |
| Locus ID: | 7518 |
| Components: | KN204783G1 , XRCC4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN204783G2 , XRCC4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN204783RBD , donor DNA containing left and right homologous arms and RFP-BSD 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_001318012](#), [NM_001318013](#), [NM_003401](#), [NM_022406](#), [NM_022550](#)

UniProt ID: [Q13426](#)

Synonyms: SSMED

Summary: The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternate transcript variants such as NM_022406 are unlikely to be expressed in some individuals due to a polymorphism (rs1805377) in the last splice acceptor site. [provided by RefSeq, Oct 2019]



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Product images:

