

Product datasheet for KN218497RB

OriGene Technologies, Inc.

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Von Willebrand Factor (VWF) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

Symbol: Von Willebrand Factor

Locus ID: 7450

Components: KN218497G1, Von Willebrand Factor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN218497G2, Von Willebrand Factor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN218497RBD, 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: <u>NM 000552</u>

UniProt ID: P04275

Synonyms: F8VWF; VWD

Summary: This gene encodes a glycoprotein involved in hemostasis. The encoded preproprotein is

proteolytically processed following assembly into large multimeric complexes. These

complexes function in the adhesion of platelets to sites of vascular injury and the transport of various proteins in the blood. Mutations in this gene result in von Willebrand disease, an inherited bleeding disorder. An unprocessed pseudogene has been found on chromosome

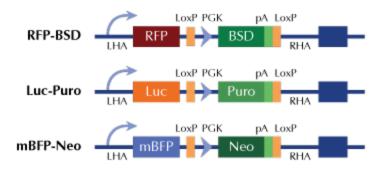
22. [provided by RefSeq, Oct 2015]





Product images:

Donor Vector Edited Chromosome



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