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Product datasheet for KN200996

PTDSS2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: PTDSS2

Locus ID: 81490

Components: **KN200996G1**, PTDSS2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCCGGCAGACGGCCCGTC
KN200996G2, PTDSS2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAAGCCACCGGGCCGGGCGA
KN200996D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:
pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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GGGATCATGT AACTCGCCTT

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.

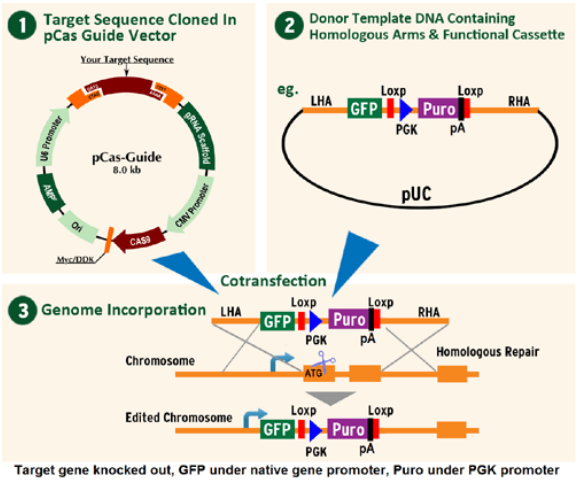
RefSeq: NM_001329544, NM_001329545, NM_001329548, NM_030783, NR_138046

UniProt ID: Q9BVG9

Synonyms: PSS2

Summary: The protein encoded by this gene catalyzes the conversion of phosphatidylethanolamine to phosphatidylserine, a structural membrane phospholipid that functions in cell signaling, blood coagulation, and apoptosis. The encoded enzyme also has a high affinity for docosahexaenoic acid (DHA) and can use it to make DHA-containing phosphatidylserine. [provided by RefSeq, Jul 2016]

Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter