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Product datasheet for KN202000

CD9 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: CD9

Locus ID: 928

Components: **KN202000G1**, CD9 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAAGTTAAATCCGAACAGC
KN202000G2, CD9 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACTTGGTGCCTCCTTTGAC
KN202000D, 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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TTCAGCTCCG GTTCCCAACG ATC

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.

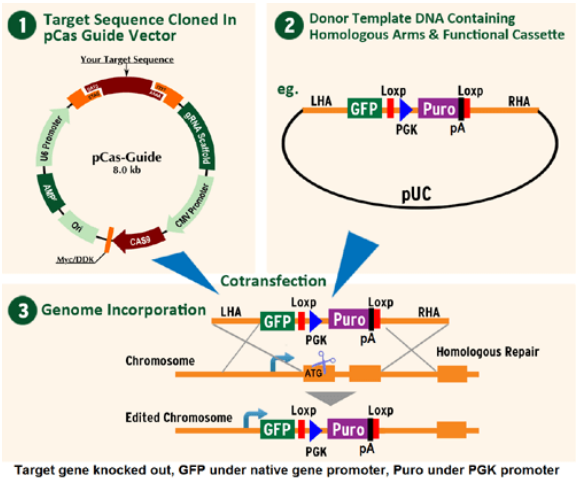
RefSeq: NM_001769, NM_001330312

UniProt ID: P21926

Synonyms: BTCC-1; DRAP-27; MIC3; MRP-1; TSPAN-29; TSPAN29

Summary: This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011]

Product images:



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