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Product datasheet for KN201671

CSN1 (GPS1) 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: CSN1

Locus ID: 2873

Components: **KN201671G1**, CSN1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AACTTGCAGGTAACGAGCCG
KN201671G2, CSN1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTAAACACCTGAACCGGCAG
KN201671D, 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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AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TCAGCTCCGG TTCCCAACGA TC

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.

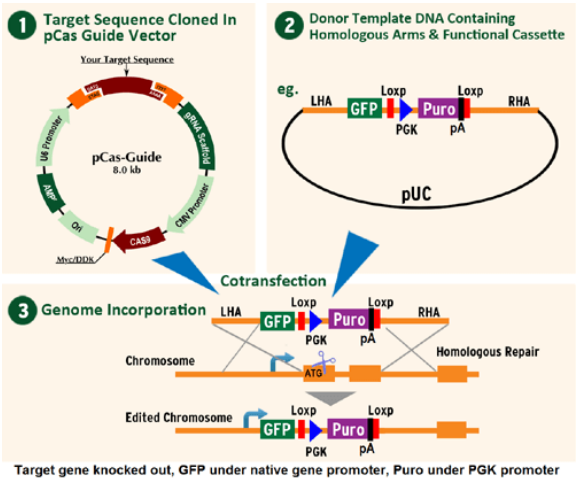
RefSeq: NM_001321089, NM_001321090, NM_001321091, NM_001321092, NM_001321093, NM_001330539, NM_001330541, NM_004127, NM_212492

UniProt ID: Q13098

Synonyms: COPS1; CSN1; SGN1

Summary: This gene is known to suppress G-protein and mitogen-activated signal transduction in mammalian cells. The encoded protein shares significant similarity with Arabidopsis FUS6, which is a regulator of light-mediated signal transduction in plant cells. [provided by RefSeq, Mar 2016]

Product images:



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