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Product datasheet for KN211749

COG3 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: COG3

Locus ID: 83548

Components: **KN211749G1**, COG3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGATCGGAGACCGGACACGA
KN211749G2, COG3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGGGACGCTAGGGAAAAGC
KN211749D, 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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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.

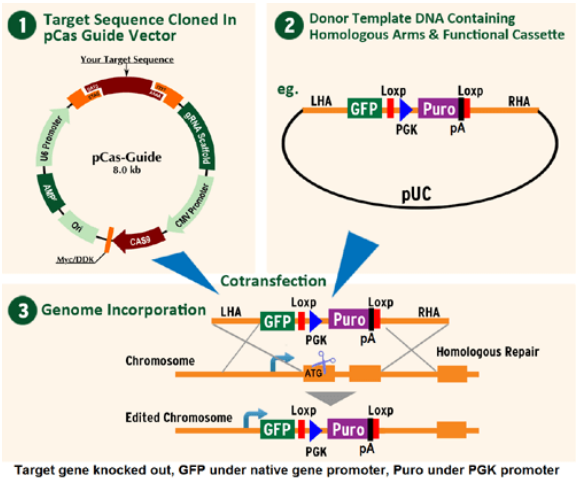
RefSeq: NM_001204476, NM_031431

UniProt ID: Q96JB2

Synonyms: SEC34

Summary: This gene encodes a component of the conserved oligomeric Golgi (COG) complex which is composed of eight different subunits and is required for normal Golgi morphology and localization. Defects in the COG complex result in multiple deficiencies in protein glycosylation. The protein encoded by this gene is involved in ER-Golgi transport.[provided by RefSeq, Jun 2011]

Product images:



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