

Product datasheet for KN205583LP

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ADO Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

ADO Symbol: 84890 Locus ID:

KN205583G1, ADO gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN205583G2, ADO gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205583LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: NM 032804

UniProt ID: Q96SZ5 Synonyms: C10orf22

Summary: Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine

> (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy

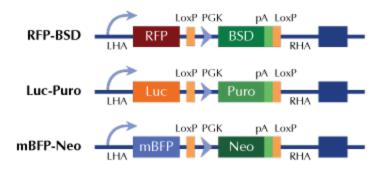
et al., 2007 [PubMed 17581819]).[supplied by OMIM, Mar 2008]





Product images:

Donor Vector Edited Chromosome



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