

Product datasheet for KN209707BN

OriGene Technologies, Inc.

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Cytokeratin 19 (KRT19) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: Cytokeratin 19

Locus ID: 3880

Components: KN209707G1, Cytokeratin 19 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209707G2, Cytokeratin 19 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN209707BND**, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 002276</u>

UniProt ID: <u>P08727</u>

Synonyms: CK19; K1CS; K19

Summary: The protein encoded by this gene is a member of the keratin family. The keratins are

intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of

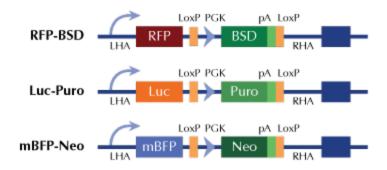
chromosome 17q12-q21. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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