

Product datasheet for KN204664BN

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RAGE (AGER) 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: RAGE Locus ID: 177

Components: KN204664G1, RAGE gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN204664G2, RAGE gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204664BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 001136, NM 001206929, NM 001206932, NM 001206934, NM 001206936,

NM 001206940, NM 001206954, NM 001206966, NM 172197, NR 038190

UniProt ID: Q15109
Synonyms: RAGE

Summary: The advanced glycosylation end product (AGE) receptor encoded by this gene is a member of

the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847). [provided by RefSeq,

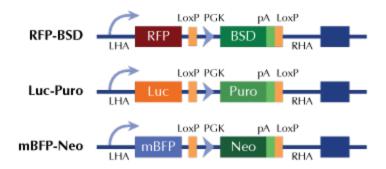
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Product images:

Donor Vector Edited Chromosome



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