

Product datasheet for KN201224RB

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MCK10 (DDR1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD
Symbol: MCK10
Locus ID: 780

Components: KN201224G1, MCK10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN201224G2, MCK10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201224RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001202521, NM 001202522, NM 001202523, NM 001297652, NM 001297653,

NM 001297654, NM 001954, NM 013993, NM 013994

UniProt ID: Q08345

Synonyms: CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE

Summary: Receptor tyrosine kinases play a key role in the communication of cells with their

microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors.

Alternatively spliced transcript variants encoding different isoforms have been described for

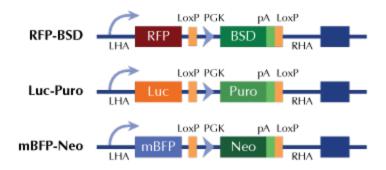
this gene. [provided by RefSeq, Feb 2011]





Product images:

Donor Vector Edited Chromosome



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