

## Product datasheet for **KN201224BN**

### **MCK10 (DDR1) 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:	MCK10
Locus ID:	780
Components:	<b>KN201224G1</b> , MCK10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN201224G2</b> , MCK10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN201224BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_001202521</a> , <a href="#">NM_001202522</a> , <a href="#">NM_001202523</a> , <a href="#">NM_001297652</a> , <a href="#">NM_001297653</a> , <a href="#">NM_001297654</a> , <a href="#">NM_001954</a> , <a href="#">NM_013993</a> , <a href="#">NM_013994</a>
UniProt ID:	<a href="#">Q08345</a>
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]



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## Product images:

