

## Product datasheet for **KN201224LP**

### **MCK10 (DDR1) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
<b>Donor DNA:</b>	Luciferase-Puro
<b>Symbol:</b>	MCK10
<b>Locus ID:</b>	780
<b>Components:</b>	<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>KN201224LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<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>
<b>UniProt ID:</b>	<a href="#">Q08345</a>
<b>Synonyms:</b>	CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE
<b>Summary:</b>	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:

