

## Product datasheet for **KN208711LP**

### **RAC1 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>	RAC1
<b>Locus ID:</b>	5879
<b>Components:</b>	<b>KN208711G1</b> , RAC1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN208711G2</b> , RAC1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN208711LPD</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_006908</a> , <a href="#">NM_018890</a> , <a href="#">NM_198829</a>
<b>UniProt ID:</b>	<a href="#">P63000</a>
<b>Synonyms:</b>	MIG5; p21-Rac1; Rac-1; TC-25
<b>Summary:</b>	The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]



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## Product images:

