

## Product datasheet for **KN218549BN**

### **IQGAP1 Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
<b>Donor DNA:</b>	mBFP-Neo
<b>Symbol:</b>	IQGAP1
<b>Locus ID:</b>	8826
<b>Components:</b>	<b>KN218549G1</b> , IQGAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN218549G2</b> , IQGAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN218549BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo 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_003870</a>
<b>UniProt ID:</b>	<a href="#">P46940</a>
<b>Synonyms:</b>	HUMORFA01; p195; SAR1
<b>Summary:</b>	This gene encodes a member of the IQGAP family. The protein contains four IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. Expression of the protein is upregulated by gene amplification in two gastric cancer cell lines. [provided by RefSeq, Jul 2008]



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**Product images:**

