

Product datasheet for **KN218549**

IQGAP1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	IQGAP1
Locus ID:	8826
Components:	<p>KN218549G1, IQGAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGCCCCGTCAACCTCGTCTG</p> <p>KN218549G2, IQGAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACGAGGCGCGATTTTCCTGG</p> <p>KN218549D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <p>Homologous arm and GFP-puro sequences: pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet</p> <pre>TGAGGCCAGG TTGCCAACT GCGGAGAGTG GGGTTGGAGG GCTTTCATGG CAGTTTGGGG CCTGCTTGTC TCCAACAAGA CAACCTGGGT CACCTCAAAG GGTGTCTTCT CCAAATATTG GTGCAGAGGT TAGCTGGGCC GGCAAGAGAA GGGAGATGAC CCACTATTTT GATTTACAGC AGCAGACACC GGCAGCCTTT CGGTTAGAGT TGCGGATAGG GCAGTGGCCT TGGGGGCGGG GCTATAAACC TGGGCGGGCA TTCCCGGCAG GGCAAGCTCA GCGTGAGCCC GATTGGAGGA TGGGCTCTAC CTCTTCCTT CCGCCTACGG AGACCATAGC GGGATGCAGG GCGGGGCCGG GCTGAGGGGG CGGAGTTAGG GCGGGGGCAC GGTGACTCTG GCCCCGCCTC TTTCCGGCCG CTCAGGGCGG TGTCGCTGGG GCGGTGCCGC TGGGGCGGGG CCTGCGGGGT GGGGCTGACG GCACGGGGCG GGGCTCGGG GACCCCGGCA AGCCCGCACA CTTGGCAGGA GCTGTAGCTA CCGCCGTCGG CGCCTCCAAG GTTTCACGGC TTCCTCAGCA GAGACTCGGG CTCGTCCGCC GGGCTCGGCC GGGCGGGTGG GGCAGGGCGG CTGCCGGCAG CTCGGACCCG GAAGAGCCGT CCCGGTGGGG CGGCGGGCGG CGGGCGGGGA GGCCCTGGT TCGCGCCCC TCGGGTCCG AGGCGGCGGA GAGGACCCC GAGGCCTCCC GCCTTAGCTG GGGCCGCGGT AGGGGAGCC CCACCCAGCG CCTCTCGCG CCCAGGCTCG GCCGAGATTG GGAAGACGG CCTAGAGTGA GGTGGCAGGA TGACCGCGCA GGGCGTGTCC CGGGATTGG GGTCTGGGT ACGCGGGCTC TGCCCGTTTC GTGAAAGGC GCTGCCCTAG TGTTCCTGC GGGGTAGACC CAAGGATAG ACCAGGTCC AGACCTGTCC GGTCCAGGC TAGTACGAG GTGCCGTCT GGGCAAGTCA CTTAGTTTT CTCGGGCTTA GTTCCCTCT CAAGATTTCA AAAGTAAAT AGTAATAAAG AAAAAAAAAA GAAGCAGAAA ATCCTCTGAC TTCCTCATTT TCTGTTGTCG GCCCTGGACG TCATTGAACT GCAGGCAGGA TTGGCTAAAG GAGGACCCTT TGGGATTTTG AGGTTTTTCGG</pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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_003870](#)

UniProt ID: [P46940](#)

Synonyms: HUMORFA01; p195; SAR1

Summary: 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]

Product images:

