

## Product datasheet for MR223272

### Iqgap2 (NM\_027711) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Iqgap2 (NM\_027711) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Iqgap2  
**Synonyms:** 4933417J23Rik; A630053O10; AI788777  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR223272 representing NM\_027711  
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223272 representing NM\_027711  
 Red=Cloning site Green=Tags(s)

MPHEELPSLQRPYGSIVDDERLSAEEMDERRRQNIAYEYLCHLEEAKRWMEVCLVEELPPTTELEEGLR  
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Chromatograms: [https://cdn.origene.com/chromatograms/mm9100\\_e06.zip](https://cdn.origene.com/chromatograms/mm9100_e06.zip)

Restriction Sites: SgfI-MluI

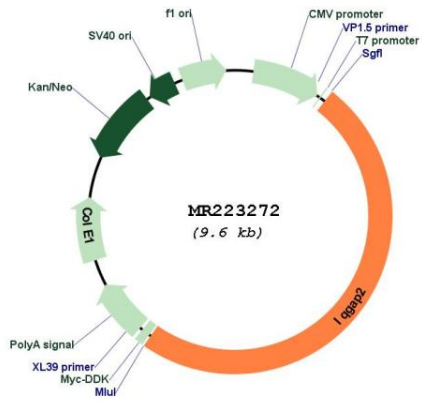
Cloning Scheme:



ACCN: NM\_027711

<b>ORF Size:</b>	4725 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_027711.1</a> , <a href="#">NP_081987.1</a>
<b>RefSeq Size:</b>	5771 bp
<b>RefSeq ORF:</b>	4728 bp
<b>Locus ID:</b>	544963
<b>UniProt ID:</b>	<a href="#">Q3UQ44</a>
<b>Cytogenetics:</b>	13 50.26 cM
<b>MW:</b>	180.5 kDa
<b>Gene Summary:</b>	Binds to activated CDC42 and RAC1 but does not seem to stimulate their GTPase activity. Associates with calmodulin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223272