

Product datasheet for **RC240171**

IQGAP2 (NM_001285460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQGAP2 (NM_001285460) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IQGAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC240171 representing NM_001285460 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RC240171 representing NM_001285460
 Red=Cloning site Green=Tags(s)

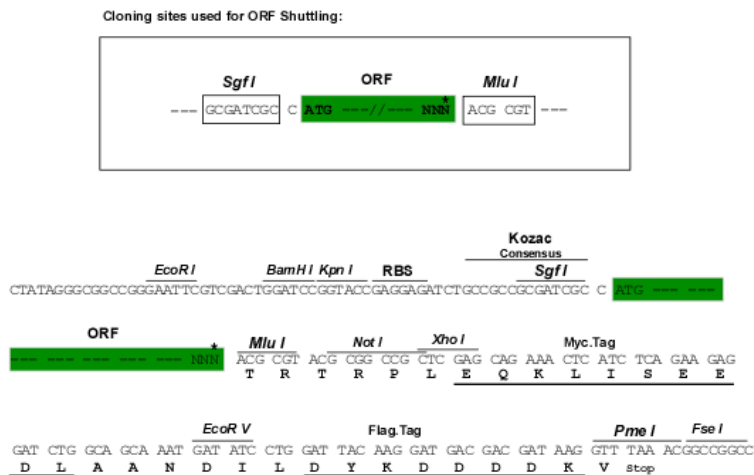
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Restriction Sites:

Sgfl-MluI

Cloning Scheme:



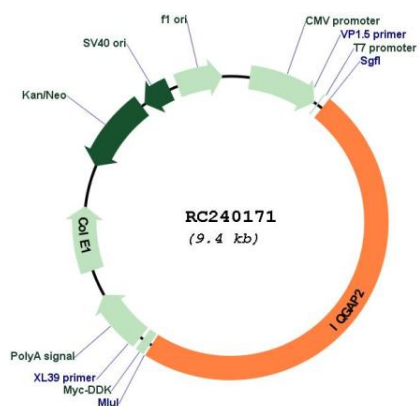
* The last codon before the Stop codon of the ORF

ACCN: NM_001285460

ORF Size: 4575 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001285460.1 , NP_001272389.1
RefSeq Size:	5460 bp
RefSeq ORF:	4578 bp
Locus ID:	10788
UniProt ID:	Q13576
Cytogenetics:	5q13.3
Protein Families:	Druggable Genome
Protein Pathways:	Regulation of actin cytoskeleton
MW:	174.9 kDa
Gene Summary:	This gene encodes a member of the IQGAP family. The encoded protein contains three IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. This protein interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. It also acts as a tumor suppressor and has been found to play a role in regulating innate antiviral responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RC240171