

## Product datasheet for **RC218549L1V**

### **IQGAP1 (NM\_003870) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	IQGAP1 (NM_003870) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IQGAP1
Synonyms:	HUMORFA01; p195; SAR1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003870
ORF Size:	4971 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218549).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003870.3</a>
RefSeq Size:	7219 bp
RefSeq ORF:	4974 bp
Locus ID:	8826
UniProt ID:	<a href="#">P46940</a>
Cytogenetics:	15q26.1
Domains:	IQ, RasGAP_C, WW, CH, RasGAP
Protein Families:	Druggable Genome



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**Protein Pathways:** Adherens junction, Regulation of actin cytoskeleton

**MW:** 189.1 kDa

**Gene 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]