Product datasheet for RC223783L2V

IQGAP2 (NM_006633) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IQGAP2 (NM_006633) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IQGAP2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006633
ORF Size:	4725 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223783).
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.
RefSeq:	NM_006633.1, NP_006624.1
RefSeq Size:	5767 bp
RefSeq ORF:	4728 bp
Locus ID:	10788
UniProt ID:	Q13576
Cytogenetics:	5q13.3
Domains:	IQ, RasGAP_C, CH, RasGAP
Protein Families:	Druggable Genome
Protein Pathways:	Regulation of actin cytoskeleton

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MW: 180.4 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]