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Product datasheet for RC204139L1V

RGS14 (NM_006480) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RGS14 (NM_006480) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RGS14
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006480
ORF Size:	1698 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204139).
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_006480.4
RefSeq Size:	2418 bp
RefSeq ORF:	1701 bp
Locus ID:	10636
UniProt ID:	O43566
Cytogenetics:	5q35.3
Domains:	RGS, GoLoco, RBD
Protein Families:	Druggable Genome
MW:	61.4 kDa

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Gene Summary: This gene encodes a member of the regulator of G-protein signaling family. This protein contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]