

Product datasheet for **RC224076L4V**

RASGAP (RASA2) (NM_006506) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RASGAP (RASA2) (NM_006506) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RASA2
Synonyms:	GAP1M
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006506
ORF Size:	2547 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224076).
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_006506.2 , NP_006497.2
RefSeq Size:	2592 bp
RefSeq ORF:	2550 bp
Locus ID:	5922
UniProt ID:	Q15283
Cytogenetics:	3q23
Domains:	C2, BTK, PH, RasGAP
Protein Pathways:	MAPK signaling pathway



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MW: 96.3 kDa

Gene Summary: The protein encoded by this gene is member of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]