

Product datasheet for **RC230641L4V**

SRGAP2 (NM_001170637) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SRGAP2 (NM_001170637) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SRGAP2
Synonyms:	ARHGAP34; FNBP2; SRGAP2A; SRGAP3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001170637
ORF Size:	3210 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230641).
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_001170637.1 , NP_001164108.1
RefSeq ORF:	3213 bp
Locus ID:	23380
UniProt ID:	O75044
Cytogenetics:	1q32.1
Protein Pathways:	Axon guidance
MW:	121.2 kDa



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Gene Summary:

This locus encodes a member of the SLIT-ROBO Rho GTPase activating protein family. The encoded protein stimulates GTPase activity of Rac1, and plays a role in cortical neuron development. This locus has several paralogs on human chromosome 1 resulting from segmental duplication. While this locus itself is conserved among various species, the paralogs are found only in the genus Homo, and not in the genomes of non-human great apes. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Jul 2014]