OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC200509L4V

alpha 1 Antichymotrypsin (SERPINA3) (NM_001085) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	alpha 1 Antichymotrypsin (SERPINA3) (NM_001085) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SERPINA3
Synonyms:	AACT; ACT; GIG24; GIG25
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001085
ORF Size:	1269 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200509).`
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_001085.4
RefSeq Size:	1629 bp
RefSeq ORF:	1272 bp
Locus ID:	12
UniProt ID:	P01011
Cytogenetics:	14q32.13
Domains:	SERPIN

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Protein Families:	Druggable Genome, Secreted Protein
MW:	47.65 kDa
Gene Summary:	The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq, Jun 2020]