

Product datasheet for **RC215069L4V**

Complement C3 (C3) (NM_000064) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Complement C3 (C3) (NM_000064) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C3
Synonyms:	AHUS5; ARMD9; ASP; C3a; C3b; CPAMD1; HEL-S-62p
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000064
ORF Size:	4989 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215069).
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_000064.1 , NP_000055.1
RefSeq Size:	5067 bp
RefSeq ORF:	4992 bp
Locus ID:	718
UniProt ID:	P01024
Cytogenetics:	19p13.3
Domains:	ANATO, NTR, A2M, A2M_N
Protein Families:	Druggable Genome



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Protein Pathways: Complement and coagulation cascades, Systemic lupus erythematosus

MW: 187 kDa

Gene Summary: Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients. [provided by RefSeq, Nov 2015]