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Product datasheet for RC209562L4V

Complement C7 (C7) (NM_000587) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Complement C7 (C7) (NM_000587) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Complement C7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000587
ORF Size:	2529 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209562).
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_000587.2
RefSeq Size:	4034 bp
RefSeq ORF:	2532 bp
Locus ID:	730
UniProt ID:	P10643
Cytogenetics:	5p13.1
Domains:	CCP, tsp_1, MACPF, ldl_recept_a, FIMAC
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

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MW: 93.5 kDa

Gene Summary: This gene encodes a serum glycoprotein that forms a membrane attack complex together with complement components C5b, C6, C8, and C9 as part of the terminal complement pathway of the innate immune system. The protein encoded by this gene contains a cholesterol-dependent cytolysin/membrane attack complex/perforin-like (CDC/MACPF) domain and belongs to a large family of structurally related molecules that form pores involved in host immunity and bacterial pathogenesis. This protein initiates membrane attack complex formation by binding the C5b-C6 subcomplex and inserts into the phospholipid bilayer, serving as a membrane anchor. Mutations in this gene are associated with a rare disorder called C7 deficiency. [provided by RefSeq, Nov 2016]