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 RC216645L1V

Factor I (CFI) (NM_000204) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Factor I (CFI) (NM_000204) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Factor I
Synonyms:	AHUS3; ARMD13; C3b-INA; C3BINA; FI; IF; KAF
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000204
ORF Size:	1749 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216645).
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_000204.1
RefSeq Size:	1963 bp
RefSeq ORF:	1752 bp
Locus ID:	3426
UniProt ID:	P05156
Cytogenetics:	4q25
Domains:	SR, Tryp_SPc, ldl_recept_a, FIMAC
Protein Families:	Druggable Genome, Protease, Secreted Protein

View online »

Protein Pathways: Complement and coagulation cascades

MW: 65.72 kDa

Gene Summary: This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uremic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits and age-related macular degeneration are other conditions associated with mutations of this gene. [provided by RefSeq, Dec 2015]