

Product datasheet for **RC200499L4V**

Complement factor B (CFB) (NM_001710) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Complement factor B (CFB) (NM_001710) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Complement factor B
Synonyms:	AHUS4; ARMD14; BF; BFD; CFAB; CFBD; FB; FBI12; GBG; H2-Bf; PBF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001710
ORF Size:	2292 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200499).
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_001710.4
RefSeq Size:	2646 bp
RefSeq ORF:	2295 bp
Locus ID:	629
UniProt ID:	P00751
Cytogenetics:	6p21.33
Domains:	CCP, Tryp_SPc, VWA
Protein Families:	Druggable Genome, Protease, Secreted Protein



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Protein Pathways: Complement and coagulation cascades

MW: 85.6 kDa

Gene Summary: This gene encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement component 2. [provided by RefSeq, Jul 2008]