

Product datasheet for RC223868L3

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OriGene Technologies, Inc.

CFHR5 (NM_030787) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CFHR5 (NM 030787) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CFHR5

Synonyms: CFHL5; CFHR5D; FHR-5; FHR5

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223868).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_030787

ORF Size: 1707 bp





CFHR5 (NM_030787) Human Tagged Lenti ORF Clone - RC223868L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 030787.1</u>

 RefSeq Size:
 2823 bp

 RefSeq ORF:
 1710 bp

 Locus ID:
 81494

 UniProt ID:
 Q9BXR6

Cytogenetics: 1q31.3

Domains: CCP

Protein Families: Secreted Protein, Transmembrane

MW: 62.5 kDa

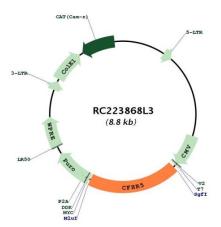
Gene Summary: This gene is a member of a small complement factor H (CFH) gene cluster on chromosome 1.

Each member of this gene family contains multiple short consensus repeats (SCRs) typical of regulators of complement activation. The protein encoded by this gene has nine SCRs with the first two repeats having heparin binding properties, a region within repeats 5-7 having heparin binding and C reactive protein binding properties, and the C-terminal repeats being similar to a complement component 3 b (C3b) binding domain. This protein co-localizes with C3, binds C3b in a dose-dependent manner, and is recruited to tissues damaged by C-reactive protein. Allelic variations in this gene have been associated, but not causally linked, with two different forms of kidney disease: membranoproliferative glomerulonephritis type II

(MPGNII) and hemolytic uraemic syndrome (HUS). [provided by RefSeq, Jan 2010]



Product images:



Circular map for RC223868L3