

## Product datasheet for **SC328438**

### CFHR3 (NM\_001166624) Human Untagged Clone

#### Product data:

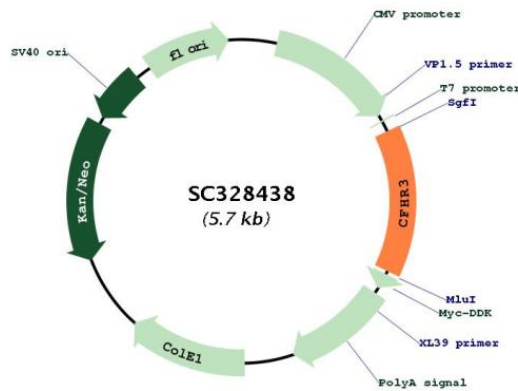
Product Type:	Expression Plasmids
Product Name:	CFHR3 (NM_001166624) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFHR3
Synonyms:	CFHL3; DOWN16; FHR-3; FHR3; HLF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328438 representing NM_001166624. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTTACTAATCAATGTCATTCTGACCTTGTGGGTTTCTGTGCTAATGGACAAGTAAACCTTGT
GATTTTCCAGACATTAACATGGAGGTCTATTTTCATGAGAATATGCGTAGACCATACTTTCCAGTAGCT
GTAGGAAAATATTACTCCTATTACTGTGATGAACATTTTGAGACTCCTTCAGGAAGTTACTGGGATTAC
ATTCATTGCACACAAAATGGGTGGTCACCAGCAGTACCATGTCTCAGAAAATGTTATTTTCCTTATTTG
GAAAATGGATATAATCAAAATTATGGAAGAAAGTTTGTACAGGGTAACTCTACAGAAGTTGCCTGCCAT
CCTGGCTACGGTCTTCCAAAAGCGCAGACCACAGTTACATGTACGGAGAAAGGCTGGTCTCCTACTCCC
AGATGCATCCGTGCAATTCTTCAGAAAAGTGTGGGCCTCCTCCACCTATTAGCAATGGTGATACCACC
TCCTTTCTACTAAAAGTGTATGTGCCACAGTCAAGAGTTCGAGTACCAATGCCAGCCCTACTATGAACTT
CAGGGTTCTAATTATGTAACATGTAGTAATGGAGAGTGGTCGGAACCACCAAGATGCATACATCCATGT
ATAATAACTGAAGAAAACATGAATAAAAAAACAATAAAGTTAAAAGGAAGAAGTGACAGAAAATATTAT
GCAAAAACAGGGGATACCATTGAATTTATGTGTAATTTGGGATATAATGCAAATACATCAATCTATCA
TTTCAAGCAGTGTGTCGGGAAGGGATAGTGAATACCCAGATGCGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001166624

**Insert Size:** 810 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** [NM\\_001166624.1](#)

**RefSeq Size:** 1484 bp

RefSeq ORF: 810 bp

Locus ID: 10878

UniProt ID: [Q02985](#)

Cytogenetics: 1q31.3

Protein Families: Secreted Protein

MW: 30.7 kDa

**Gene Summary:** The protein encoded by this gene is a secreted protein, which belongs to the complement factor H-related protein family. It binds to heparin, and may be involved in complement regulation. Mutations in this gene are associated with decreased risk of age-related macular degeneration, and with an increased risk of atypical hemolytic-uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]  
Transcript Variant: This variant (2) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (2) lacking an internal protein segment compared to isoform 1.