

## Product datasheet for **SC303811**

### CFHR4 (NM\_006684) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CFHR4 (NM_006684) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFHR4
Synonyms:	CFHL4; FHR-4; FHR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303811 representing NM_006684. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTACTAATCAATGTCATTCTGACCTTGTGGTTTCTGTGCTAATGGACAAGAAGTAAACCT
TGTGATTTCCAGAAATCAACATGGAGGTCTATATTAAAGAGTTTGCCTAGACTATACTTTCCAGCA
GCTGCAGGACAATCTTATTCCTATTACTGTGATCAAAATTTGTGACTCCTTCAGGAAGTACTGGGAT
TACATTCATTGCACACAAGATGGTTGGTCACCAACGGTCCCATGCCTCAGAACATGCTCAAATCAGAT
ATAGAAATTTGAAATGGATTCATTTCTGAATCTTCTCTATTTTAAATAAAGAAATACAATAT
AAATGTAACCAGGATATGCAACAGCAGATGAAATTTCTCAGGTTCAATTACATGTTTGCAAAATGGA
TGGTCAGCACAACCAATTTGCATTAATTTTGTGATATGCCTGTTTTGAGAATTCAGAGCCAAGAGT
AATGGCATGCGGTTTAAAGCTCCATGACACATTGGACTACGAATGCTACGATGGATATGAAATCAGTTAT
GGAAACACCACAGGTTCCATAGTGTGTGGTGAAGATGGTGGTCCCATTTCCCAACATGTTATAATTCT
TCAGAAAAGTGTGGGCTCCTCCACCTATTAGCAATGGTATACCACCTCCTTTCTACTAAAAGTGTAT
GTGCCACAGTCAAGAGTCGAGTACCAATGCCAGTCTACTATGAACCTCAGGGTTCTAATTATGTAACA
TGTAGTAATGGAGAGTGGTCGGAACCACCAAGATGCATACATCCATGTATAATACTGAAGAAAACATG
AATAAAAAAACATACAGTTAAAAGGAAAAAGTGACATAAAATATTATGCAAAAACAGGGGATACCATT
GAATTTATGTGTAATTTGGGATATAATGCGAATACATCAGTTCTATCATTCAAGCAGTGTGTAGGGAA
GGCATAGTGGAAATACCCAGATGCGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_006684
Insert Size:	996 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006684.4</a>
<b>RefSeq Size:</b>	1440 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	10877
<b>UniProt ID:</b>	<a href="#">Q92496</a>
<b>Cytogenetics:</b>	1q31.3
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	37.3 kDa
<b>Gene Summary:</b>	<p>This gene is a member of the complement factor H (CFH) gene family, and encodes one of the 5 CFH-related (CFHR) proteins. These 5 genes are closely linked to the CFH gene on chromosome 1q31-q32. The CFHRs are secreted plasma proteins synthesized primarily by the hepatocytes, and composed of highly-related short consensus repeats (SCRs). This protein enhances the cofactor activity of CFH, and is involved in complement regulation. It can associate with lipoproteins and may play a role in lipid metabolism. Alternatively spliced transcript variants encoding different isoforms (varying in the number of SCRs) have been described for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (3) is missing four consecutive coding exons compared to variant 1. However, it maintains the reading frame and encodes isoform 3 (also known as FHR-4B), which is shorter but has the same N- and C-termini compared to isoform 1.</p>