

Product datasheet for **SC314042**

CFHR5 (NM_030787) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFHR5 (NM_030787) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFHR5
Synonyms:	CFHL5; CFHR5D; FHR-5; FHR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC314042 representing NM_030787.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTGCTCTTATTCAGTGAATCCTAATCTCATGGGTATCCACTGTTGGGGGAGAAGGAACACTTTGT
GATTTTCCAAAAATACCCATGGATTTCTGTATGATGAAGAAGATTATAACCCTTTTCCAAGTTCCT
ACAGGGGAAGTTTTCTATTACTCTGTGAATATAATTTTGTCTCCTTCAAATCCTTTTGGACTCGC
ATAACATGCACAGAAGAAGGATGGTCACCAACACCGAAGTGTCTCAGAATGTGTTCTTTCTTTTGTG
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ACAGGATACAGCCTTCAAACAATGAGAAAAACATTTCTGTGTAGAACGGGGCTGGTCCACTCCTCCC
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AAAGAAAGCTACAAAGTTGGAGACGTGTTGAAATTTCTCTGCAGAAAAATCTTATAAGAGTTGGATCA
GACTCAGTTCATGTTACCAATTTGGTGGTCACTAATTTCCAACATGCAAGGACAAGTACGATCA
TGTGGTCCACCTCCTCACTCTCCAATGGTGAAGTTAAGGAGATAAGAAAAGAGGAATATGGACACAAT
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GGAGAATGGACAACCTTACCCACTTGTGTTGAACAAGTAAAAACATGTGGATACATACCTGAACTCGAG
TACGGTTATGTTACGCCCTGTGCCCTCCTATCAACATGGAGTTTCACTCGAGGTGAATTCAGAAAT
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GTTCTCTGTAAAGAAAACCTATCTACTTCCAGAAGCAAAAGAAATTTGATGTAAAGATGGACGATGGCAA
TCATTACCACGCTGTGTTGAGTCTACTGCATATTGTGGGCCCTCCATCTATTAACAATGGAGATACC
ACCTCATTCCCATTATCAGTATATCCTCCAGGGTCAACAGTGACGTACCGTTGCCAGTCTTCTATAAAA
CTCCAGGGCTCTGTAACGTAAACATGCAGAAATAAACAGTGGTCAAGCAACCAAGATGCCTAGATCCA
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TATGCAAAAACAGGGGATGCTGTTGAATTCAGTGTAAATTTCCACATAAAGCGATGATATCATCACCA
CCATTTTCAGCAATCTGTCAGGAAGGGAATTTGAATATCCTATATGTGAATGATGA
ACGGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_030787
- Insert Size:** 1710 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:	<ol style="list-style-type: none">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_030787.3
RefSeq Size:	2829 bp
RefSeq ORF:	1710 bp
Locus ID:	81494
UniProt ID:	Q9BXR6
Cytogenetics:	1q31.3
Domains:	CCP
Protein Families:	Secreted Protein, Transmembrane
MW:	64.4 kDa
Gene Summary:	<p>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]</p>