

Product datasheet for **SC324554**

CFHR3 (NM_021023) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFHR3 (NM_021023) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFHR3
Synonyms:	CFHL3; DOWN16; FHR-3; FHR3; HLF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021023.4
 GGGAACTGAAACTTTTGTATTAGCATACTACTGAGAATATCTAACATGTTGTTACTAATC
 AATGTCATTCTGACCTTGTGGGTTTCCTGTGCTAATGGACAAGTGAAACCTTGTGATTTT
 CCAGACATTAACATGGAGGTCTATTTTCATGAGAATATGCGTAGACCATACTTTCCAGTA
 GCTGTAGGAAAATATTACTCCTATTACTGTGATGAACATTTTGAGACTCCTTCAGGAAGT
 TACTGGGATTACATTCATTGCACACAAAATGGGTGGTCACCAGCAGTACCATGCTCAGA
 AAATGTTATTTTCCTTATTTGGAAAATGGATATAATCAAAATTATGGAAGAAAAGTTTGT
 CAGGGTAACTCTACAGAAGTTGCCTGCCATCCTGGCTACGGTCTTCCAAAAGCGCAGACC
 ACAGTTACATGTACGGAGAAAGGCTGGTCTCCTACTCCCAGATGCATCCGTGTCAGAACA
 TGCTCAAATCAGATATAGAAATGAAAATGGATTCAATTCGAACTTCTCCTCTATTTAT
 ATTTTAAATAAGAAATACAATATAAATGTAAACCAGGATATGCAACAGCAGATGGAAT
 TCTTCAGGATCAATTACATGTTTGCAAAATGGATGGTCAGCACACCAATTTGCATTAAT
 TCTTCAGAAAAGTGTGGCCTCCTCCACCTATTAGCAATGGTGATACCACCTCCTTTCTA
 CTAAGTGTATGTGCCACAGTCAAGAGTCGAGTACCAATGCCAGCCCTACTATGAACTT
 CAGGGTTCTAATTATGTAACATGTAGTAATGGAGAGTGGTCGGAACCACCAAGATGCATA
 CATCCATGTATAATAACTGAAGAAAACATGAATAAAAATACATAAAGTTAAAAGGAAGA
 AGTGACAGAAAATATTATGCAAAAACAGGGGATACCATTGAATTTATGTGTAATTTGGGA
 TATAATGCAAAATACATCAATTCTATCATTTCAAGCAGTGTGTCGGGAAGGGATAGTGAA
 TACCCAGATGCGAATAAGGCAGCATTGTTACCCTAAATGTATGTCCAACCTCCACTTTT
 CCACCTTCACTCTTATGGTCTCAAAGCTTGCAAAAGATAGCTTCTGATATTGTTGTAATT
 TCTACTTTATTTCAAAGAAAATTAATAAATAGTTTCAATTTGCAACTTAATATATTCTC
 AAAAATATATTAACAACTAAATTATTGCTTATGCTTGTACTAAAATAATAAAAACTA
 CTCTTATATTGGACTTCTTATCAATGAATTAGTAAGTATAGAGACAGACAGCTGAATGGC
 TTTCTGCATATTGTATAGTATACCTAGACATAGAACAATAAGACTTTAGATTTTATTTG
 GGAAGTAATAATACCATAAAATTAGATATTAATAATTGTAAGTGAAGATAAACACACTAT
 AGTATTCCTTATTGTAGCCATGGTCTCTAGATGCAGTTAACCAATAGGGTCATTTTTT
 ATTAAGTAGTGTTCCTGGCAAACTGACATTACATCATTATCATGATTTAAAGGAA
 ATAGTACTAGAGAAGGTGAATTATTATCATTTCCTGTAAAAAAAAAAAAAAAAAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_021023

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_021023.4](#), [NP_066303.2](#)

RefSeq Size: 1310 bp

RefSeq ORF: 993 bp

Locus ID: 10878

UniProt ID: [Q02985](#)

Cytogenetics: 1q31.3

Domains: CCP

Protein Families: Secreted Protein

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 (1) encodes the longer isoform (1).