

Product datasheet for **SC319858**

CFHL1 (CFHR1) (NM_002113) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CFHL1 (CFHR1) (NM_002113) Human Untagged Clone
Tag: Tag Free
Symbol: CFHR1
Synonyms: CFHL; CFHL1; CFHL1P; CFHR1P; FHR-1; FHR1; H36; H36-1; H36-2; HFL1; HFL2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002113.2
 GGGGACACTGAAATTCAAAGTCATGCTCATACTGTTAATGAAAGCAGATTCAAAGCAAC
 ACCACCACACTGAAGTATTTTTGGTTATATAAGATTGGAACACCAAGCATGTGGCTCC
 TGGTCAGTGTAATTCTAATCTCACGGATATCCTCTGTTGGGGGAGAAGCAACATTTTGTG
 ATTTTCCAAAAATAAACCATGGAATTCTATATGATGAAGAAAAATAAGCCATTTTCCC
 AGGTTCTACAGGGGAAGTTTCTATTACTCCTGTGAATATAATTTTGTGTCTCCTTCAA
 AATCATTTTGGACTCGCATAACATGCACAGAAGAAGGATGGTCACCAACACCAAAGTGTC
 TCAGACTGTGTTTCTTCTTTTGTGGAAAAATGGTCATTCTGAATCTTCAGGACAAACAC
 ATCTGGAAGGTGATACTGTGCAAAATTTTGAACACAGGATACAGGCTTCAAACAATG
 AGAACAAATTTTTCATGTGTAGAACGGGGCTGGTCCACCCCTCCCAAATGCAGGTCCACTG
 ACCTTCTGTGTGAATCCGCCACAGTACAAAATGCTCATATACTGTGAGACAGATGA
 GTAAATATCCATCTGGTGAAGAGTACGTTATGAATGTAGGAGCCCTTATGAAATGTTTG
 GGGATGAAGAAGTGATGTGTTTAAATGGAACTGGACAGAACCACTCAATGCAAAGATT
 CTACGGGAAAAATGGGGCCCTCCACCTATTGACAATGGGGACATTACTTCATTTCCCGT
 TGTCAAGTATATGCTCCAGCTTATCAGTTGAGTACCAATGCCAGAAGTTGTATCAACTTG
 AGGGTAACAAGCGAATAACATGTAGAAATGGACAATGGTCAGAACCACCAAAATGCTTAC
 ATCCGTGTGTAATATCCCGAGAAATTTGAGAACAGGTGAATCAGCTGAATTTGTGTAAACGGGGAT
 CCAAACAGAAGCTTTATTTGAGAACAGGTGAATCAGCTGAATTTGTGTAAACGGGGAT
 ATCGTCTTTTATCAGCTTCTCACACATTGCGAACAAACATGTTGGGATGGGAACTGGAGT
 ATCCAATTGTGCAAAAAGATAGAATCAATCATAAAATGCACACCTTTATTCAGAACTTT
 AGTATTAATCAGTTCTTAATTTTCAATTTTAAAGTATTGTTTTACTCTTTTATTCATAC
 GTAAAATTTGGATTAATTTGTGAAAATGTAATTATAAGCTGAGACCGGTGGCTCTCTTC
 TTAAGCACCATTATAAACTTGGAAAACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_002113



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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:	<u>NM_002113.2</u> , <u>NP_002104.2</u>
RefSeq Size:	1312 bp
RefSeq ORF:	993 bp
Locus ID:	3078
UniProt ID:	<u>Q03591</u>
Cytogenetics:	1q31.3
Domains:	CCP
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a secreted protein belonging to the complement factor H protein family. It binds to Pseudomonas aeruginosa elongation factor Tuf together with plasminogen, which is proteolytically activated. It is proposed that Tuf acts as a virulence factor by acquiring host proteins to the pathogen surface, controlling complement, and facilitating tissue invasion. Mutations in this gene are associated with an increased risk of atypical hemolytic-uremic syndrome. [provided by RefSeq, Oct 2009]