

Product datasheet for **RC223868**

CFHR5 (NM_030787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFHR5 (NM_030787) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC223868 representing NM_030787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGCTCTTATTCAGTGAATCCTAATCTCATGGGTATCCACTGTTGGGGGAGAAGGAACACTTTGTG
 ATTTTCCAAAAATACACCATGGATTTCTGTATGATGAAGAAGATTATAACCCTTTTCCCAAGTTCCTAC
 AGGGGAAGTTTTCTATTACTCCTGTGAATATAATTTGTGTCTCCTTCAAATCCTTTGGACTCGCATA
 ACATGCACAGAAGAAGGATGGTCACCAACACCGAAGTGTCTCAGAATGTGTTCTTTCTTTGTAAAA
 ATGGTCATTCTGAATCTCAGGACTAATACATCTGGAAGGTGATACTGTACAAATATTTGCAACACAGG
 ATACAGCCTTCAAACAATGAGAAAAACATTTCTGTGTAGAACGGGGCTGGTCCACTCCTCCCATATGC
 AGCTTCACTAAAGGAGAATGTCATGTTCCAATTTAGAAGCCAATGTAGATGCTCAGCCAAAAAAGAAA
 GCTACAAAGTTGGAGACGTGTTGAAATTTCTCTGCAGAAAAAATCTTATAAGAGTTGGATCAGACTCAGT
 TCAATGTTACCAATTTGGGTGGTCACCTAACTTTCCAACATGCAAAGGACAAGTACGATCATGTGGTCCA
 CCTCTCAACTCTCCAATGGTGAAGTTAAGGAGATAAGAAAAGAGGAATATGGACACAATGAAGTAGTGG
 AATATGATTGCAATCCTAATTTTATAATAAACGGGCCTAAGAAAAACAATGTGTGGATGGAGAATGGAC
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 AATGGAACTCCTGAAGTAGACTGCACAGAAAAAGGGAACAATTTCTGCCACCGCCACCTCAGATACCTAA
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 TATCTACTTCCAGAAGCAAAAAGAAATGTATGTAAGATGGACGATGGCAATCATTACCACGCTGTGTTG
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 ATATCCTCCAGGGTCAACAGTGACGTACCCTGTCAGTCTTCTATAAACTCCAGGGCTCTGTAAGTGA
 ACATGCAGAAATAAACAGTGGTCAAGCAACCAAGATGCCTAGATCCATGTGTGGTATCTGAAGAAAAACA
 TGAACAAAAATAACATACAGTAAAAATGGAGAAACGATGGAAAACCTATGCAAAAACAGGGGATGCTGT
 TGAAATCCAGTGAATTTCCACATAAAGCGATGATATCATCACCACCTTCGAGCAATCTGTCAGGAA
 GGGAAATTTGAATATCCTATATGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223868 representing NM_030787
 Red=Cloning site Green=Tags(s)

MLLLFSVILISWVSTVGGEGTLCDFPKIHHGFLYDEEDYNPFSQVPTGEVFFYSCEYNFVSPSKSFWTRI
 TCTEEGWSPTPKLRMCSFPFVKNGHSESSGLIHLEGDTVQIICNTGYSLQNEKNI SCVERGWSTPPIC
 SFTKGECHVPILEANVDAQPKKESYKVGDLKFKSCRKNLIRVGSDSVQCYQFGWSPNFPCTCKGQVRSCGP
 PPQLSNGEVKEIRKEEYGHNEVVEYDCNPNFIINGPKIQCVDGWTTLPCTVEQVKTCCGYIPELEYGYV
 QPSVPPYQHGVSVENCRNEYAMIGNNMITCINGIWTLPVATHQLKRCKIAGVNIKTLKLSGKEFN
 HNSRIRYRCSDFRYRHSVCINGKWNPEVDCTEKREQFCPPPPQIPNAQNMTTTVNYQDGEKVAVLCKEN
 YLLPEAKEIVCKDGRWQSLPRCVESTAYCGPPPSINNGDTSFPLSVYPPGSTVTVYRCQSFYKLGQSVTV
 TCRNKQWSEPPRCLDPCVVSEENMNKNNIQLKWRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQE
 GKFEYPIICE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8011_b04.zip

Restriction Sites:

Sgfl-Mlul

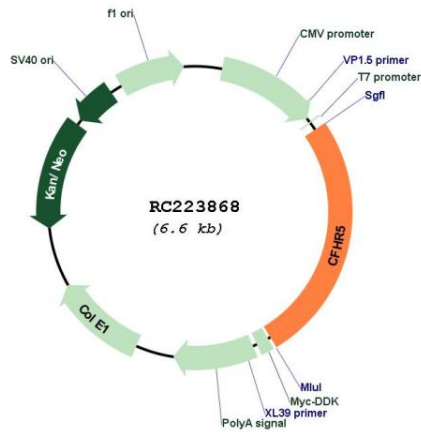
Domains: CCP

Protein Families: Secreted Protein, Transmembrane

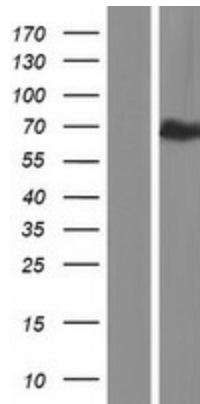
MW: 62.5 kDa

Gene Summary: 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]

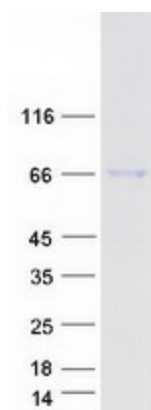
Product images:



Circular map for RC223868



Western blot validation of overexpression lysate (Cat# [LY410709]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223868 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CFHR5 protein (Cat# [TP323868]). The protein was produced from HEK293T cells transfected with CFHR5 cDNA clone (Cat# RC223868) using MegaTran 2.0 (Cat# [TT210002]).