

Product datasheet for **RG210472**

CFHL1 (CFHR1) (NM_002113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFHL1 (CFHR1) (NM_002113) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CFHR1
Synonyms:	CFHL; CFHL1; CFHL1P; CFHR1P; FHR-1; FHR1; H36; H36-1; H36-2; HFL1; HFL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210472 representing NM_002113 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCTCCTGGTCAGTGTAATTCTAATCTCACGGATATCCTCTGTTGGGGGAGAAGCAACATTTGTG
ATTTTCCAAAAATAAACCATGGAATTCATATGATGAAGAAAAATAAGCCATTTCCAGGTTCTAC
AGGGGAAGTTTTCTATTACTCCTGTGAATATAATTTGTGTCTCCTTCAAATCATTGGACTCGCATA
ACATGCACAGAAGAAGGATGGTCACCAACACCAAAGTGTCTCAGACTGTGTTTCTTTCTTTGTGGAAA
ATGGTCATTCTGAATCTCAGGACAAACACATCTGGAAGGTGATACTGTGCAAATTTATTTGCAACACAGG
ATACAGGCTTCAAACAATGAGAACAACATTTTCATGTGTAGAACGGGGCTGGTCCACCCCTCCCAATGC
AGGTCCACTGACACTTCTGTGTGAATCCGCCACAGTACAAAATGCTCATATACTGTCGAGACAGATGA
GTAATATCCATCTGGTGAGAGAGTACGTTATGAATGTAGGAGCCCTTATGAAATGTTTGGGGATGAAGA
AGTGATGTGTTTAAATGGAACTGGACAGAACCACCTCAATGCAAAGATTCTACGGGAAATGTGGGCC
CCTCCACCTATTGACAATGGGGACATTCTTATTCCCGTTGTCAGTATATGCTCCAGCTTCATCAGTTG
AGTACCAATGCCAGAACTTGATCAACTTGAGGTAACAAGCGAATAACATGTAGAAATGGACAATGGTC
AGAACCACAAAATGCTTACATCCGTGTGAATATCCCGAGAAATATGGAAAATATAACATAGCATT
AGGTGGACAGCCAAACAGAAGCTTTATTTGAGAACAGGTGAATCAGCTGAATTTGTGTAAACGGGGAT
ATCGTCTTTCATCAGTTCTCACACATTGCCAACAACATGTTGGGATGGGAACTGGAGTATCCAACCTTG
TGCAAAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210472 representing NM_002113
Red=Cloning site Green=Tags(s)

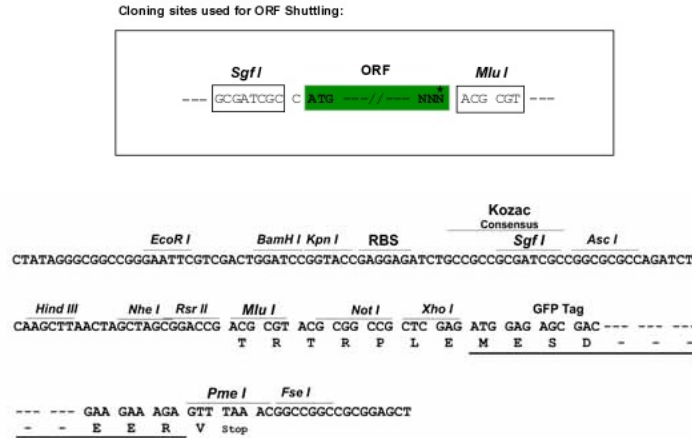
MWLLVSVILISRISVSGGEATFCDFPKINHILYDEEKYPFSQVPTGEVFYYSCEYNFVSPSKSFWTRI
 TCTEEGWSPTPKLRLCFPPFVENGHSESSGQTHLEGDVQIICNTGYRLQNNENNISCVERGWSSTPPKC
 RSTDTSCVNPPTVQNAHILSRQMSKYPSGERVRYECSRSPYEMFGDEEVMLNGNWTPEPPQCKDSTGKCGP
 PPPIDNGDITSFPLSVYAPASSVEYQCQNLVYQLEGNKRITCRNGQWSEPPKCLHPCVISREIMENYNIAL
 RWTAKQKLYLRTGESAEFVCKRGYRLSSRSHTLRITCWDGKLEYPTCAKR

TRTRPLE - GFP Tag - V

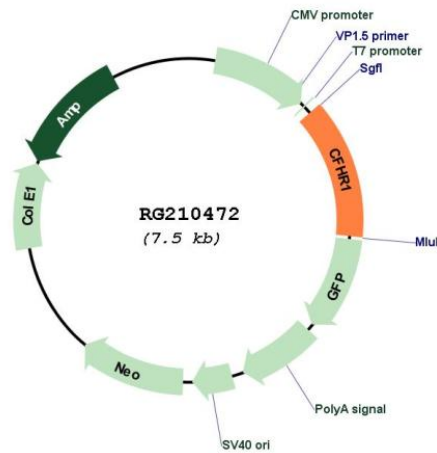
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_002113

ORF Size: 990 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_002113.2 , NP_002104.2
RefSeq Size:	1312 bp
RefSeq ORF:	993 bp
Locus ID:	3078
UniProt ID:	Q03591
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 <i>Pseudomonas aeruginosa</i> 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]