

Product datasheet for **RG229800**

CFHR3 (NM_001166624) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CFHR3 (NM_001166624) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CFHR3
Synonyms: CFHL3; DOWN16; FHR-3; FHR3; HLF4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229800 representing NM_001166624
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGTTACTAATCAATGTCATTCTGACCTTGTGGGTTTCTGTGCTAATGGACAAGTAAACCTTGTG
ATTTTCCAGACATTAACATGGAGGTCTATTTTCATGAGAATATGCGTAGACCATACTTTCCAGTAGCTGT
AGGAAAATATTACTCCTATTACTGTGATGAACATTTTGGAGTCTTTCAGGAAGTACTGGGATTACATT
CATTGCACACAAAATGGGTGGTCACCAGCAGTACCATGTCTCAGAAAATGTTATTTTCTTATTTGGAAA
ATGGATATAATCAAATATGGAAGAAAGTTTGTACAGGGTAACTCTACAGAAGTTGCCTGCCATCCTGG
CTACGGTCTTCCAAAAGCGCAGACCACAGTTACATGTACGGAGAAAGGCTGGTCTCCTACTCCCAGATGC
ATCCGTGTCAATTCTTACAGAAAAGTGTGGGCTCCTCCACCTATTAGCAATGGTGATACCACCTCCTTTC
TACTAAAAGTGTATGTGCCACAGTCAAGAGTTCGAGTACCAATGCCAGCCCTACTATGAATTCAGGGTTC
TAATTATGTAACATGTAGTAATGGAGAGTGGTCGGAACCAAGATGCATACATCCATGTATAATAACT
GAAGAAAACATGAATAAAAAAACATAAAGTTAAAAGGAAGAAGTGACAGAAAATATTATGCAAAAACAG
GGGATACCATTGAATTTATGTGTAATTTGGGATATAATGCAAATACATCAATTCTATCATTTCAGCAGT
GTGTCGGGAAGGGATAGTGAATACCCAGATGCGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229800 representing NM_001166624
 Red=Cloning site Green=Tags(s)

MLLLINVILTLWVSCANGQVKPCDFPDIKHGGLFHENMRRPYFPVAVGKYYSYYCDEHFETPSGSYWDYI
 HCTQNGWSPA V PCLRKCYFPYLENGYNQNYGRKFVQGNSTE VACHPGYGLPKAQT TVTCTEKGWSP TPRC
 IRVNSSEKCGPPPI SNGD TTSFLLK VYVPQSRVEYQCOPY YELQGSNYVTCSNGEWSEPPRCIHP CII T
 EENMNKNNIKLGRSDRKYAKTGDTIEFMCKLGYNANTSILSFQAVCREGIVEYPRCE

TRTRPLE - GFP Tag - V

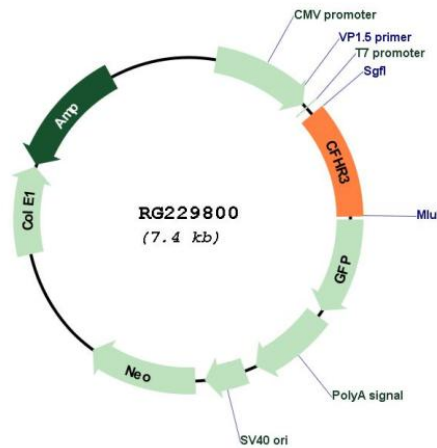
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001166624

ORF Size: 807 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_001166624.1 , NP_001160096.1
RefSeq Size:	1484 bp
RefSeq ORF:	810 bp
Locus ID:	10878
UniProt ID:	Q02985
Cytogenetics:	1q31.3
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]