

Recombinant Full Length Human CFHR5 Protein, GST-tagged

Cat. No. CFHR5-3875HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CFHR5 full-length ORF (NP_110414.1, 1 a.a. - 569 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	569 amino acids
Description	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]
Molecular Mass	90.8 kDa
AA Sequence	MLLLFSVILISWVSTVGEGTLCDFPKIHHGFLYDEEDYNPFSQVPTGEVFFYSCEYN FVSPSKSFWTRITCTEEGWSPTPKCLRMCSFPFVKNGHSESSGLIHLEGDTVQIICN

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TGYSLQNNNEKNISCVERGWSTPPICSFTKGECVHPLEANVDAQPKKESYKVGDLK
 FSCRKNLIRVGSDSVQCYQFGWSPNFPTCKGQVRSCGPPPQLSNGEVKEIRKEEY
 GHNEVVEYDCNPFIINGPKKIQCVDGEWTTLPTCVEQVKTCGYIPELEYGYVQPSV
 PPYQHGVSVVEVNCRNEYAMIGNNMITCINGIWTELPMCVATHQLKRCKIAGVNIKTLL
 KLSGKEFNHNSRIRYRCSDIFRYRH SVCINGKWNPEVDCTEKREQFCPPPPQIPNAQ
 NMTTTVNYQDGEKVAVLCKENYLLPEAKEIVCKDGRWQSLPRCVESTAYCGPPPSI
 NNGDTTSFPLSVYPPGSTVTYRCQSFYKLQGSVTVTCRNKQWSEPPRCLDPCVVS
 EENMNKNNIQLKWRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQEGKFEYPI
 CE

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CFHR5 complement factor H related 5 [Homo sapiens (human)]

Official Symbol

CFHR5

Synonyms

CFHR5; complement factor H related 5; FHR5; CFHL5; FHR-5; CFHR5D;
 complement factor H-related protein 5; factor H-related protein 5

Gene ID

81494

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mRNA Refseq	NM_030787
Protein Refseq	NP_110414
MIM	608593
UniProt ID	Q9BXR6

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