

Recombinant Human CFHR5 Protein, MYC/DDK-tagged

Cat. No. CFHR5-3211H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CFHR5 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

Species Human

Source HEK293

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).

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 62.5 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CFHR5 complement factor H related 5 [Homo sapiens]

Official Symbol CFHR5

Synonyms CFHL5; CFHR5D; FHR-5; FHR5

Gene ID 81494

mRNA Refseq NM_030787.3

Protein Refseq NP_110414.1

MIM 608593

UniProt ID Q9BXR6

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