

Product datasheet for PH323868

CFHR5 (NM_030787) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CFHR5 MS Standard C13 and N15-labeled recombinant protein (NP_110414)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223868
Predicted MW:	62.5 kDa
Protein Sequence:	>RC223868 representing NM_030787 Red=Cloning site Green=Tags(s)

MLLLFSVILISWVSTVGGEGTLCDFPKIHHGFLYDEEDYNPFSQVPTGEVFYYSCEYNFVSPSKSFWTRI
TCTEEGWSPTPKCLRMCSFPFVKNGHSESSGLIHLEGDTVQIICNTGYSLQNEKNISCVERGWSPPIC
SFTKGECVPILEANVDAQPKKESYKVGDLKFSCKNLIRVGSDSVQCYQFGWSPNFPTCKGQVRSCGP
PPQLSNGEVKEIRKEEYGHNEVVEYDCNPNFIINGPKKIQCVDGEWTTLPCTVEQVKTGCIPELEYGYV
QPSVPPYQHGVSEVNCRNEYAMIGNMITCINGIWTLPVCVATHQLKRCKIAGVNIKTLKLSGKEFN
HNSRIRYRCSDFRYRHSVCINGKWNPEVDCTEKREQFCPPPPQIPNAQNMTTTVNYQDGEKVAVLCKEN
YLLPEAKEIVCKDGRWQSLPRCVESTAYCGPPPSINNGDTSFPLSVYPPGSTVTYRCQSFYKLQGSVTV
TCRNKQWSEPPRCLDPCVVSEENMNKNNIQLKWRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQE
GKFEYPICE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_110414
RefSeq Size:	2823
RefSeq ORF:	1707



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Synonyms: CFHL5; CFHR5D; FHR-5; FHR5

Locus ID: 81494

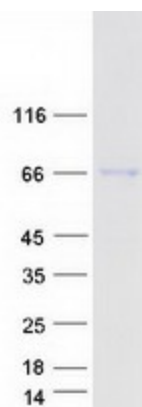
UniProt ID: [Q9BXR6](#)

Cytogenetics: 1q31.3

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]

Protein Families: Secreted Protein, Transmembrane

Product images:



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]).