Datasheet for ABIN1880676

CFHR5 Protein (AA 19-569) (His tag)

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Overview

Quantity:	50 µg
Target:	CFHR5
Protein Characteristics:	AA 19-569
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CFHR5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Complement Factor H-related 5/CFHR5 (C-6His)
Sequence:	EGTLCDFPKI HHGFLYDEED YNPFSQVPTG EVFYYSCEYN FVSPSKSFWT RITCTEEGWS PTPKCLRMCS FPFVKNGHSE SSGLIHLEGD TVQIICNTGY SLQNNEKNIS CVERGWSTPP ICSFTKGECH VPILEANVDA QPKKESYKVG DVLKFSCRKN LIRVGSDSVQ CYQFGWSPNF PTCKGQVRSC GPPPQLSNGE VKEIRKEEYG HNEVVEYDCN PNFIINGPKK IQCVDGEWTT LPTCVEQVKT CGYIPELEYG YVQPSVPPYQ HGVSVEVNCR NEYAMIGNNM ITCINGIWTE LPMCVATHQL KRCKIAGVNI KTLLKLSGKE FNHNSRIRYR CSDIFRYRHS VCINGKWNPE VDCTEKREQF CPPPPQIPNA QNMTTTVNYQ DGEKVAVLCK ENYLLPEAKE IVCKDGRWQS LPRCVESTAY CGPPPSINNG DTTSFPLSVY PPGSTVTYRC QSFYKLQGSV TVTCRNKQWS EPPRCLDPCV VSEENMNKNN IQLKWRNDGK LYAKTGDAVE FQCKFPHKAM ISSPPFRAIC QEGKFEYPIC EVDHHHHHH
Characteristics:	Recombinant Human Complement Factor H-related 5/CFHR5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu19-

Product Details

	Glu569) of Human CFHR5 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CFHR5
Alternative Name:	Complement Factor H-Related 5/CFHR5 (CFHR5 Products)
Sub Type:	Fusionprotein
Background:	Complement factor H-related protein 5(FHR-5 for short), is a secreted protein which contains 9 Sushi (CCP/SCR) domains. It is expressed by the liver and secreted in plasma. The pattern of the deposits is similar to other complement components, suggesting that FHR-5 may play a role in complement activation and regulation. Defects in CFHR5 have been found in patients with atypical hemolytic uremic syndrome and may contribute to the disease. In contrast to typical hemolytic uremic syndrome, atypical forms have a poorer prognosis, with higher death rates and frequent progression to end-stage renal disease. Alternative Names:
Molecular Weight:	63.5 kDa
UniProt:	Q9BXR6

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months