Datasheet for ABIN1096424

CFHR1 Protein (AA 19-330) (His tag)

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Overview

Quantity:	50 µg
Target:	CFHR1
Protein Characteristics:	AA 19-330
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CFHR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Complement Factor H-Related 1/CFHR1 (C-6His)
Sequence:	EATFCDFPKI NHGILYDEEK YKPFSQVPTG EVFYYSCEYN FVSPSKSFWT RITCTEEGWS PTPKCLRLCF FPFVENGHSE SSGQTHLEGD TVQIICNTGY RLQNNENNIS CVERGWSTPP KCRSTDTSCV NPPTVQNAHI LSRQMSKYPS GERVRYECRS PYEMFGDEEV MCLNGNWTEP PQCKDSTGKC GPPPPIDNGD ITSFPLSVYA PASSVEYQCQ NLYQLEGNKR ITCRNGQWSE PPKCLHPCVI SREIMENYNI ALRWTAKQKL YLRTGESAEF VCKRGYRLSS RSHTLRTTCW DGKLEYPTCA KRVDHHHHHH
Characteristics:	Recombinant Human Complement Factor H-Related 1/CFHR1 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Glu19-Arg330) of Human CFHR1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	CFHR1
Alternative Name:	cfhr1 (CFHR1 Products)
Sub Type:	Fusionprotein
Background:	Complement Factor H-Related 1 (CFHR1) is a 43 kDa secreted member of the factor H family of glycoproteins. The human Complement Factor H protein family consists of the complement and immune regulators factor H, the factor H-like protein 1 (FHL-1) and five factor H-related proteins (CFHR-1 to -5). Members of the H-related protein family are exclusively composed of individually folded protein domains, termed short consensus repeats (SCRs) or complement control modules. FHR1 is produced by hepatocytes and circulates as two differentially glycosylated isoforms (37 kDa and 43 kDa). Mature human FHR1 is 312 amino acids in length. It contains five, approximately 60 aa SCRs that basically constitute the entire molecule. FHR1 may play a role in complement regulation, lipid metabolism and lipoprotein complexes that bind PMNs to LPS. Alternative Names: Complement Factor H-Related Protein 1, FHR-1, H Factor-Like Protein 1, H-Factor-Like 1, H36, CFHR1, CFHL, CFHL1, CFHL1P, CFHR1P, FHR1, HFL1, HFL2
Molecular Weight:	36.78 kDa
UniProt:	Q03591

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