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Datasheet for ABIN4370401

CFHR2 Protein (AA 19-270) (His tag)

Overview

Quantity:	50 µg
Target:	CFHR2
Protein Characteristics:	AA 19-270
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CFHR2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Complement Factor H-Related Protein 2/CFHR2 (C-6His)
Sequence:	EAMFCDFPKI NHGILYDEEK YKPFSQVPTG EVFYYSCEYN FVSPSKSFWT RITCAEEGWS PTPKCLRLCF PPFVENHSE SSGQTHLEGD TVQIICNTGY RLQNNENNIS CVERGWSTPP KCRSTISAEK CGPPPIDNG DITSFLLSVY APGSSVEYQC QNLYQLEGNN QITCRNGQWS EPPKCLDPCV ISQEIMEKYN IKLKWTNQQK LYSRTGDIVE FVCKSGYHPT KSHSFRAMCQ NGKLVYPSCE EKVDHHHHHHH
Characteristics:	Recombinant Human Complement Factor H-Related Protein 2/CFHR2 produced by transfected human cells is a secreted protein with sequence (Glu19-Lys270) of human CFHR2 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:	CFHR2
Alternative Name:	complement-factor-h-related-2 (CFHR2 Products)
Sub Type:	Fusionprotein
Background:	<p>Complement Factor H-Related Protein 2 (CFHR2) is a secreted protein that belongs to the complement factor H protein family. Members of the H-related protein family are exclusively composed of individually folded protein domains, termed short consensus repeats (SCRs) or complement control modules. CFHR2 is synthesized as a 270 amino acid precursor that contains an 18 amino acid signal peptide and a 252 amino acid mature chain with 4 Sushi (CCP/SCR) domains. CFHR2 is synthesized in the liver and secreted into plasma. It may be involved in complement regulation. CFHR2 can also be associated with lipoproteins and may play a role in lipid metabolism.</p> <p>Alternative Names: Complement Factor H-Related Protein 2, FHR-2, DDESK59, H Factor-Like 3, H Factor-Like Protein 2, CFHR2, CFHL2, FHR2, HFL3</p>
Molecular Weight:	29.78 kDa
UniProt:	P36980

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months