Human CFHR2 / FHR2 / HFL3 Protein (His Tag)

Catalog Number: **13920-H08H**

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CFHL2; FHR2; HFL3

Protein Construction:

A DNA sequence encoding the human CFHR2 (P36980-1) (Met1-Lys270) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > (46.1+45.6) % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Glu 19

Molecular Mass:

The recombinant human CFHR2 consists of 263 amino acids and predicts a molecular mass of 30.2 KDa. It migrates as an approximately 31 and 35 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

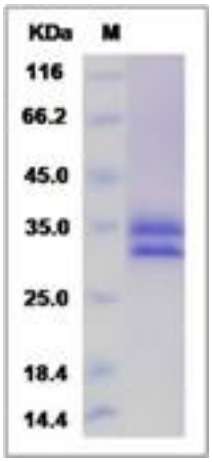
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

CFHR2 belongs to the complement factor H protein family. 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. CFHR2 contains 4 Sushi (CCP/SCR) domains and is expressed by the liver and secreted in plasma. CFHR2 might be involved in complement regulation. It can associate with lipoproteins and may play a role in lipid metabolism.

References

1.Skerka C, *et al.* (1991) Molecular cloning of a human serum protein structurally related to complement factor H. J Biol Chem. 266(18):12015-20. 2.Daz-Guilln MA, *et al.* (1999) A radiation hybrid map of complement factor H and factor H-related genes. Immunogenetics. 49(6):549-52. 3.Strausberg RL, *et al.* (2003) Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Proc Natl Acad Sci. 99(26):16899-903.