Data Sheet (Cat.No.TMPY-03061)

TargetMol

CFHR2 Protein, Human, Recombinant (His)

General Information

Synonyms:	HFL3;FHR2;CFHL2;complement factor H-related 2
Protein Construction:	A DNA sequence encoding the human CFHR2 (P36980-1) (Met1-Lys270) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Glu 19
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P36980-1
Molecular Weight:	30.2 kDa (predicted); 31 and 35 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

Protein Background

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.

Reference

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.
Daz-Guilln MA,et al.(1999) A radiation hybrid map of complement factor H and factor H-related genes. Immunogenetics. 49(6):549-52.
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.

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