

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481