

CFHR5 Protein, Human (HEK293, His)

Cat. No.:	HY-P70102
Synonyms:	rHuComplement factor H-related protein 5/CFHR5, His; Complement factor H-related protein 5; CFHR5; CFHL5; FHR5
Species:	Human
Source:	HEK293
Accession:	Q9BXR6 (E19-E569)
Gene ID:	81494
Molecular Weight:	Approximately 61.0 kDa

PROPERTIES

AA Sequence	<div> <div> E G T L C D F P K I F V S P S K S F W T S S G L I H L E G D I C S F T K G E C H L I R V G S D S V Q V K E I R K E E Y G L P T C V E Q V K T N E Y A M I G N N M K T L L K L S G K E V D C T E K R E Q F E N Y L L P E A K E D T T S F P L S V Y E P P R C L D P C V F Q C K F P H K A M </div> <div> H H G F L Y D E E D R I T C T E E G W S T V Q I I C N T G Y V P I L E A N V D A C Y Q F G W S P N F H N E V V E Y D C N C G Y I P E L E Y G I T C I N G I W T E F N H N S R I R Y R C P P P P Q I P N A I V C K D G R W Q S P P G S T V T Y R C V S E E N M N K N N I S S P P F R A I C </div> <div> Y N P F S Q V P T G P T P K C L R M C S S L Q N N E K N I S Q P K K E S Y K V G P T C K G Q V R S C P N F I I N G P K K Y V Q P S V P P Y Q L P M C V A T H Q L C S D I F R Y R H S Q N M T T T V N Y Q L P R C V E S T A Y Q S F Y K L Q G S V I Q L K W R N D G K Q E G K F E Y P I C </div> <div> E V F Y Y S C E Y N F P F V K N G H S E C V E R G W S T P P D V L K F S C R K N G P P P Q L S N G E I Q C V D G E W T T H G V S V E V N C R K R C K I A G V N I V C I N G K W N P E D G E K V A V L C K C G P P P S I N N G T V T C R N K Q W S L Y A K T G D A V E E </div> </div>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

CFHR5 stands at the forefront of complement regulation, actively participating in the intricate dynamics of this regulatory system. In its dimerized forms, CFHR5 demonstrates a notable affinity for tissue-bound complement fragments, effectively challenging the physiological complement inhibitor CFH. This versatile regulator engages in a head-to-tail homodimeric configuration and forms heterodimers with CFHR1 or CFHR2, underlining its adaptable role in orchestrating complement-related processes. Moreover, CFHR5 exhibits the capacity to bind C3b in vitro, adding an additional layer to its repertoire of interactions and highlighting its intricate involvement in the regulation of complement pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA