

## CFHR1 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70055
<b>Synonyms:</b>	rHuComplement Factor H-related 1/CFHR1, His; Complement Factor H-Related Protein 1; FHR-1; H Factor-Like Protein 1; H-Factor-Like 1; H36; CFHR1; CFHL; CFHL1; CFHL1P; CFHR1P; FHR1; HFL1; HFL2
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q03591 (E19-R330)
<b>Gene ID:</b>	3078
<b>Molecular Weight:</b>	38-50 kDa

### PROPERTIES

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

### DESCRIPTION

<b>Background</b>	CFHR1 emerges as a pivotal figure in the intricate realm of complement regulation, showcasing its active involvement in this finely tuned system. In its dimerized forms, CFHR1 exhibits a remarkable avidity for tissue-bound complement fragments, effectively challenging the physiological complement inhibitor CFH. Beyond its regulatory prowess, CFHR1 displays an affinity for association with lipoproteins, hinting at a potential role in lipid metabolism. The unique structural arrangement
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of CFHR1 includes a head-to-tail homodimeric configuration, and it further forms heterodimers with CFHR2 or CFHR5, emphasizing its versatile engagement in the multifaceted orchestration of complement-related processes.

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

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