

CFHR2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70031
Synonyms:	rHuComplement factor H-related protein 2/CFHR2, His; Complement Factor H-Related Protein 2; FHR-2; DDESK59; H Factor-Like 3; H Factor-Like Protein 2; CFHR2; CFHL2; FHR2; HFL3
Species:	Human
Source:	HEK293
Accession:	P36980 (E19-K270)
Gene ID:	3080
Molecular Weight:	31&(33-36) kDa

PROPERTIES

AA Sequence	<pre> E A M 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 A 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 I S A E K C G P P P P I D N G D I T S F L L S V Y A P G S S V E Y Q C Q N L Y Q L E G N N Q I T C R N G Q W S E P P K C L D P C V I S Q E I M E K Y N I K L K W T N Q Q K L Y S R T G D I V E F V C K S G Y H P T K S H S F R A M C Q N G K L V Y P S C E E K </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 200 mM NaCl, 2 mM EDTA, 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	CFHR2 takes center stage in the intricate landscape of complement regulation. Functioning as a crucial player, it engages in avid interactions with tissue-bound complement fragments, showcasing its ability to competently rival the physiological complement inhibitor CFH. Moreover, CFHR2 demonstrates a propensity to associate with lipoproteins, suggesting a potential involvement in lipid metabolism. Adding to its complexity, CFHR2 exhibits a distinctive head-to-tail homodimeric structure and forms heterodimers with CFHR1 or CFHR5, underscoring its versatile role in the regulatory ballet of the
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complement system.

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

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