

Complement factor H/CFH Protein, Human (367a.a, HEK293, His)

Cat. No.:	HY-P7890
Synonyms:	rHuComplement factor H/CFH, His; Complement factor H; CFH
Species:	Human
Source:	HEK293
Accession:	P08603-2 (K79-V445)
Gene ID:	3075
Molecular Weight:	Approximately 50.0 kDa

PROPERTIES

AA Sequence	<pre> EDCNELPPRR NTEILTGSW S DQTYPEGTQA IYKCRPGYRS LGNVIMVCRK GEVVALNPLR KCQKRPCGHP GDTPFGTFTL TGGNVFEYGV KAVYTCNEGY QLLGEINYRE CDTDGWTNDI PICEVVKCLP VTAPENGKIV SSAMEPDREY HFGQAVRFVC NSGYKIEGDE EMHCSDDGFW SKEKPKCVEI SCKSPDVING SPISQKIIYK ENERFQYKCN MGYEYSEKGD AVCTESGWRP LPSCEEKSCD NPYIPNGDYS PLRIKHRTGD EITYQCRNGF YPATRGNTAK CTSTGWIPAP RCTLKPCDYP DIKHGGLYHE NMRRPYFPVA VGKYYSY YCD EHFETPSGSY WDHIHCTQDG WSPA VPCLRK CYFPYLENGY NQNYGRKFVQ GKSIDVACHP GYALPKAQT T VTCMENGWSP TPRCIRVSFT L </pre>
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 20% Glycerol, 5% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Complement factor H (CFH) is a component of the mammalian complement system, which regulates the alternative pathway of complement activation and protects the host cell from inappropriate complement activation. CFH is a key
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regulator of innate immunity, and CFH deficiency leads to membranoproliferative glomerulonephritis type II^[2].

REFERENCES

- [1]. Cui T, et al. Human complement factor H is a novel diagnostic marker for lung adenocarcinoma. *Int J Oncol.* 2011;39(1):161-168.
- [2]. Mandal MN, et al. Complement factor H: spatial and temporal expression and localization in the eye. *Invest Ophthalmol Vis Sci.* 2006;47(9):4091-4097.
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Caution: Product has not been fully validated for medical applications. For research use only.

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