

## 32-7910: Recombinant Human Complement Factor H-related 5/CFHR5 (C-6His)

**Gene :** CFHR5  
**Gene ID :** 81494  
**Uniprot ID :** Q9BXR6

### Description

Source: Human Cells.  
MW :63.5kD.

Recombinant Human CFHR5 is produced by our Mammalian expression system and the target gene encoding Glu19-Glu569 is expressed with a 6His tag at the C-terminus. Complement factor H-related protein 5(FHR-5 for short), is a secreted protein which contains 9 Sushi (CCP/SCR) domains. It is expressed by the liver and secreted in plasma. The pattern of the deposits is similar to other complement components, suggesting that FHR-5 may play a role in complement activation and regulation. Defects in CFHR5 have been found in patients with atypical hemolytic uremic syndrome and may contribute to the disease. In contrast to typical hemolytic uremic syndrome, atypical forms have a poorer prognosis, with higher death rates and frequent progression to end-stage renal disease.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EGTLCDFPKIHGFLYDEEDYNPFSQVPTGEVYYSCEYNFVSPSKSFWTRITCTEEGWSPTPKCLRMCSFPPVK  
NGHSESSGLIHLEGDTVQIICNTGYSLQNNNEKNISCVERGWSTPPICSFTKGECHVPILEANVDAQPKESYKVG  
DVLKFSRKNLIRVGSQCYQFGWSPNFPCTCKGQVRSCGPPQSLNGEVKEIRKEEYGHNEVVEYDCNPNF  
IINGPKKIQCVDGEWTTLPCTVEQVKTCGYIPELEYGYVQPSVPPYQHGVSVVNCRNEYAMIGNNMITCINGIW  
TELPMCVATHQLKRCKIAGVNIKTLLKLSGKEFNHNSRIRYRCSDFRYRHSVCINGKWNPEVDCTEKREQFCPP  
PPQIPNAQNMTTTVNYQDGEKVAVLCKENYLLPEAKEIVCKDGRWQSLPRCVSTAYCGPPPSINNGDTSFPL  
SVYPPGSTVTYRCQSFYKLQGSVTVTCRNKQWSEPPRCLDPCVVSEENMNKNNIQLKWRNDGKLYAKTGDAV  
EFQCKFPHKAMISSPPFRAICQEGKFEYPICEVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.