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## 32-13753: CFH Rat

**Format :** CFH protein solution contains phosphate Buffered Saline, pH 7.2.
**Alternative Name :** Complement factor H, H factor 1, CFH, HF, HF1, HF2.

## Description

Source:Rat Plasma.
Physical Appearance:Sterile filtered solution.
Biological Activitynull
Complement factor H (CFH) is an important regulatory component of the alternative pathway of complement. CFH is prevents complement activation on host cells and tissues, mainly the kidney. CFH controls the formation and decay of the alternative pathway C3/C5 convertase and acts as a cofactor for factor I which proteolytically inactivates C3b when C3b is bound to factor H. The N-terminal 5 domains of CFH bind to C3b and inhibit binding of factor B thus reducing the formation of C3/C5 convertase. CFH also binds to preformed C3/C5 convertases and causes quick release of the catalytic subunit Bb. These activities are necessary for controlling the spontaneous activation of the alternative pathway amplification process in plasma. In addition, CFH controls the formation and decay of these enzymes when C3b is attached to the surface of particles.
Rat Complement Factor H produced in Rat plasma having a total molecular mass of 155kDa.

## Product Info

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| **Amount :** | 50 µg / 10 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Storage condition :** | CFH Rat is stable at 4°C if entire vial will be used within 2-4 weeks.Store, frozen below -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***