

**DESCRIPTION**

This recombinant Human Fc protein is made from 293 cells. It is secreted with the sequence of Human IgG4 Fc domain.

**BIOACTIVITY**

**Not available**

**BACKGROUND**

Human Fc (IgG4) is the tail region of an immunoglobulin G4 (IgG4) that interacts with cell surface receptors called Fc receptors and some proteins of the complement system. The ~230 amino acid fragment generally exists as a dimer, although under reducing conditions, it exists as a monomer. It is the basis of prolonged pharmacokinetics of antibodies and is commonly used as a fusion to extend half-life of fusion proteins. IgG4's hinge is shorter than that of IgG1, its flexibility is intermediate between IgG1 and IgG2 and some rotation may occur around the glycine residue in its hinge region.

**FORMULATION**

0.2 µM filtered solution of 100 mM HEPES, 0.2% sodium acetate, pH 6

**STORAGE**

This protein should be stored at -80°C.  
Stable at < -20°C for 3 months or at 4-7 °C for 3 weeks.  
Minimize repeated freeze-thaw cycles.

**QUALITY CONTROL**

Purity is greater than 95%