DESCRIPTION

This recombinant Human Fc protein is made from 293 cells. It is secreted with the sequence of Human IgG2 Fc domain.

BIOACTIVITY

Not available

BACKGROUND

Human Fc (IgG2) is the tail region of an immunoglobulin G2 (IgG2) 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. IgG2 has a shorter hinge than IgG1, with 12 amino acid residues and four disulfide bridges at the Fab base. The hinge region of IgG2 also lacks a glycine residue, which along with its shortness almost completely prevents rotation and restricts lateral movement of the Fabs.

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%.