Human IgG4 Fc Protein | BP4093

Catalog No.: BP4093 | **Product Name:** In Vivo Grade Recombinant Human IgG4 Fc Protein | **In Vivo Grade / Recombinant Protein**

The recombinant human IgG4 Fc protein can be used as the isotype control of the hIgG4 antibodies and the hIgG4 Fc fusion proteins in in vitro and in vivo experiments. Conditions of optimal human IgG4 Fc Protein performance should be determined experimentally by the investigator. The recombinant human IgG4 Fc protein was produced in HEK 293 cells (or CHO cells) and purified by protein A.

Product Specifications

Catalog No.	BP4093
Product Name	In Vivo Grade Recombinant Human IgG4 Fc Protein
Synonyms	Human Fc Protein (IgG4), Human IgG4 Fc region
Summary	The recombinant human IgG4 Fc protein was produced in HEK 293 cells and purified by protein A.
Source / Host	HEK 293 cells (also produced in CHO cells) / Human
Formulation	0.2 uM filtered solution of 1x PBS. Non-conjugated.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	**>95%** by SDS-PAGE under reducing conditions.

Biological Description & Background

BP4093: Recombinant Human IgG4 Fc Protein, In Vivo Grade.

Human IgG4 Fc is the tail region of the 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.

The recombinant human IgG4 Fc protein was produced in CHO cells (and HEK 293 cells) and purified by protein A.

For human T cell research, Syd Labs OKT3 antibodies are also available.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/human-igg4-fc-protein-bp4093/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com