

Recombinant Human IgG3 Protein

Catalog No.: RPT0006 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3502	P01860

Tags
NO-tag

Synonyms
IgG3

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin
<0.1EU/μg

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Background

IGHG3 (Immunoglobulin Heavy Constant Gamma 3 (G3m Marker), also known as IgG3) is a Protein Coding gene. Ig gamma-3 chain C region is a protein that in humans is encoded by the IGHG3 gene. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Murine immunoglobulin G (IgG) plays an important role in mediating protective immune responses to malaria. Diseases associated with IGHG3 include Heavy Chain Disease and Gamma Heavy Chain Disease. Among its related pathways are IL4-mediated signaling events and the Creation of C4 and C2 activators.

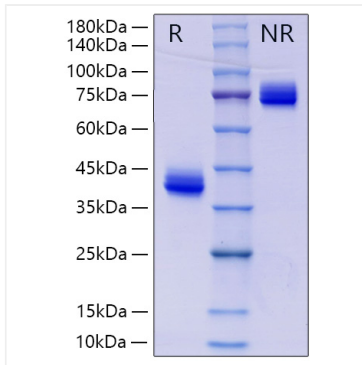
Basic Information

Description
Recombinant Human IgG3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu99-Lys377) of human IgG3 (Accession #) fused with no additional amino acid.

Bio-Activity

Storage
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human IgG3 Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions, showing single bands at 35-45 kDa and 70-90 kDa, respectively.