

Recombinant Human IgG3 Protein

Catalog No.: RPT0006

Sequence Information

Species **Gene ID**
Human 3502

Swiss Prot **Tags**
P01860 NO-tag

Synonyms

IgG3,IGHG3,Immunoglobulin heavy constant gamma 3,Ig gamma-3 chain C region

Product Information

Source **Purification**
HEK293 cells ≥ 90 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
31.21 kDa 35-45 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

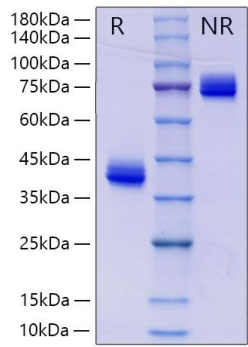
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Validation Data



Recombinant Human IgG3 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.