

# 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.

### Endotoxin

&lt;0.1 EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 freeze-thaw cycles.

## Contact

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## 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 immunoglobulin-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

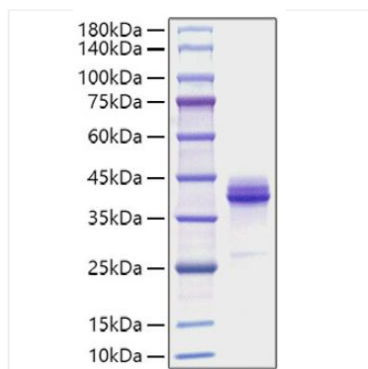
Store the lyophilized protein at -20°C to -80 °C for long term.

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

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Recombinant Human IgG3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38 kDa.