

## IgG2 Protein, Human, Recombinant (S257A)

### General Information

Synonyms:	Immunoglobulin heavy constant gamma 2;IgG2;Immunoglobulin heavy constant $\gamma$ 2
Protein Construction:	A DNA sequence encoding the human IgG2 Fc region (P01859) (Glu 99-Lys 327, 257Ser/Ala) was expressed and purified. Predicted N terminal: Glu 99
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P01859
Molecular Weight:	25 kDa (predicted); 34 kDa (reducing condition, due to glycosylation)

### QC Testing

Biological Activity:	Measured by its ability to bind human CD32a-His in a functional ELISA.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

**Stability & Storage:**

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use**

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