

Recombinant Human IgE Protein

Catalog No.: RPT0015 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3497	P01854

Tags

C-His

Synonyms

Immunoglobulin heavy constant epsilon;
Ig epsilon chain C region; Ig epsilon
chain C region ND₁I_{GHE}IgE

Product Information

Source	Purification
HEK293 cells	

Endotoxin

< 0.01 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 freeze-thaw cycles.

Contact

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Background

Predicted to enable antigen binding activity and immunoglobulin receptor binding activity. Predicted to be involved in several processes, including activation of immune response; defense response to other organism; and phagocytosis. Predicted to be located in extracellular region. Predicted to be part of immunoglobulin complex, circulating. Predicted to be active in external side of plasma membrane.

Basic Information

Description

Recombinant Human IgE Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser106-Gly427) of Human IgE. Accession #AAB59395.1 fused with a His tag at the C-terminus.

Bio-Activity

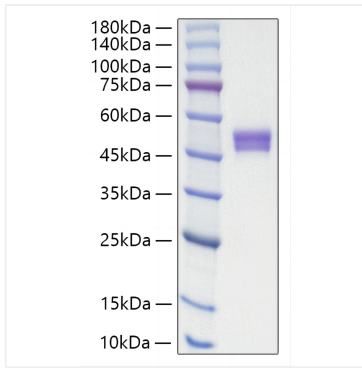
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

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 IgE Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.