# Recombinant Human IgE Protein

## Catalog No.: RPT0015

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## Sequence Information

**Species**
Human

**Gene ID**
3497

**Swiss Prot**
P01854

**Tags**
C-His

**Synonyms**
Immunoglobulin heavy constant epsilon, Ig epsilon chain C region, Ig epsilon chain C region ND, IGHE, IgE

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
38.60 kDa

**Observed MW**
45-60 kDa

**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**
Centrifμge 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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.

**Activity**
Measured by its binding ability in a functional ELISA. Immobilized Human IgE (Catalog: RTP0015) at 1 μg/mL (100 μL/well) can bind Human IgE Rabbit mAb (Catalog: A23194) with a linear range of 0.06-0.6 ng/mL.

**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℃

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

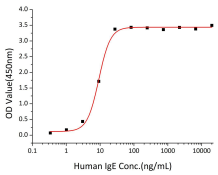
**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

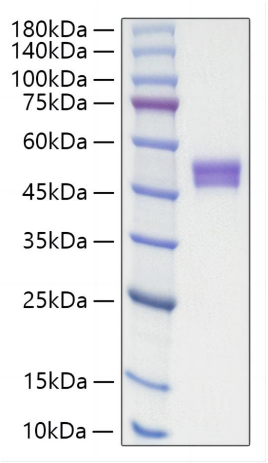


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## Validation Data




Immobilized Human IgE (Catalog: RTP0015) at 1 μg/mL (100 μL/well) can bind Human IgE Rabbit mAb (Catalog: A23194) with a linear range of 0.06-0.6 ng/mL.




Recombinant Human IgE Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.