# **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 ND[IGHE[IgE

## **Product Information**

**Source** HEK293 cells **Purification** 

ells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

38.60 kDa 45-60 kDa

#### **Endotoxin**

< 0.01 EU/ $\mu$ g of the protein by LAL method

## **Formulation**

Lyophilized from a  $0.22 \mu m$  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.

## **Contact**

6	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

## **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 $\square$ Accession #AAB59395.1  $\square$  fused with a His tag at the C-terminus.

## **Bio-Activity**

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

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

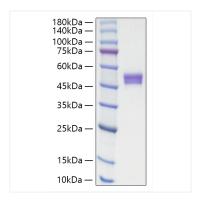
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

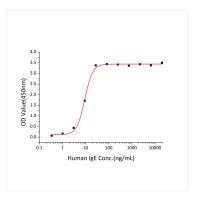
## **Operational Notes**

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

## **Validation Data**



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



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