

# Human CGA & FSHB recombinant protein (C-human IgG1-Fc)



Catalog Number: 514837

## General Information

### Protein Construction

A DNA sequence encoding the human CGA (NP\_000726.1) (Met 1- Ser 116) was expressed, constructed the plasmid 1; A DNA sequence encoding the human FSHB(NP\_000501.1) (Met 1- Glu 129) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human CGA&FSHB heterodimer was purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> (83.5+13.8) % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu$ g protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 25 & Asn 19

### Molecular Mass

The recombinant human CGA&FSHB consists of 450(92+358) amino acids and predicts a molecular mass of 49.7(10.2 + 39.5) kDa.

### Formulation

Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE

