# **Human CGA & FSHB recombinant protein (Chuman 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**

