# Human GCAP1 / GUCA1A (His & GST Tag) recombinant protein

Catalog Number: 503615



## **General Information**

## **Gene Name Synonym**

Guanylate cyclase activator 1A

#### **Protein Construction**

A DNA sequence encoding the human GUCA1A (P43080)( Met1-Gly201) was expressed the N-terminal polyhistidine-tagged GST tag at the N-terminus.

# **Organism**

Human

# **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  of the 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

Met

#### Molecular Mass

The secreted recombinant human GUCA1A

consists of 438 amino acids and predicts a molecular mass of 50.7 KDa. The apparent molecular mass of the protein is approximately 42 KDa in SDS-PAGE under reducing conditions due to glycosylation.

## **Formulation**

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4.

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

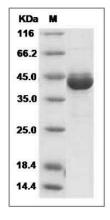
## **Storage**

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human GCAP1 / GUCA1A Protein (His & GST Tag) SDS-PAGE