# Human PDE3A (His & GST Tag) recombinant protein

Catalog Number: 502595

# **General Information**

## Gene Name Synonym

Cyclic GMP-inhibited phosphodiesterase A

# **Protein Construction**

A DNA sequence encoding the human PDE3A (Q14432) (Lys669-Gln1141) was fused with the Nterminal polyhistidine-tagged GST tag at the Nterminus.

## Organism

Human

# **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

## Purity

> 90 % as determined by SDS-PAGE

# Endotoxin

< 1.0 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  $^{\circ}\mathrm{C}$ 

## **Predicted N terminal**

Met

## **Molecular Mass**

The recombinant human PDE3A /GST chimera

consists of 710 amino acids and has a calculated molecular mass of 81.7 kDa. The recombinant protein migrates as an approximately 93 kDa band in SDS-PAGE under reducing conditions. **Formulation** 

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly, 3mM DTT 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**

KDa	м	
116	-	
66.2	-	
45.0	-	R
35.0	-	
25.0	-	
18.4	-	
14.4	and the second	

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