PDE12 Protein
Full length recombinant protein expressed in Sf9 cells
Catalog # P100-30G
Lot # E117-2

Product Description
Recombinant full-length human PDE12 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_177966.

Gene Aliases
2'-PDE

Formulation
Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

Storage and Stability
Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Scientific Background
PDE12 is 2', 5'-phosphodiesterase 12 protein that belongs to the CCR4/nocturin family. PDE12 cleaves the 2',5'-phosphodiester bond linking adenosines of the 5'-triphasphorylated oligoadenylates. Triphosphorylated oligoadenylates, which are referred to as 2-5A, modulates in the 2-5A system that is one of the major pathways for antiviral and antitumor functions induced by interferons (IFNs) (1). Suppression of PDE12 induces reduction of viral replication in Hela cells, thus countering the antiviral pathway probably by inhibiting the 2-5A system.

References

PDE12 Protein
Full length human recombinant protein expressed in Sf9 cells
Catalog Number
P100-30G
Specific Lot Number
E117-2
Purity
>90%
Concentration
0.1 µg/µl
Stability
1yr at –70°C from date of shipment
Storage & Shipping
Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on dry ice.