Adenylate cyclase (Recombinant)

Cat No:HR4S0056

For research use only

Overview

Quantity	
Gene Symbol	
Gene ID	
Accession	
Alternative Name	
Species	
Source	E. coli
Description	Adenylate cyclase catalyzes the conversion of ATP into cyclic AMP (cAMP), a vital secondary messenger in cellular signaling. It regulates cAMP levels, affecting downstream effectors like protein kinase A (PKA). The enzyme's activity is influenced by factors such as opiates, which inhibit it, and calmodulin, which enhances its activity and interactions with GTP-binding proteins.
Functions	
Formulation	Lyophilized from buffer containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Solubility	
Appearance	Lyophilized powder
Molecular Weight	
Purity	>85% (SDS-PAGE)
Concentration	
Shipping Condition	
Storage Condition	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.