Adenylate cyclase (Recombinant)

Cat No:HR4S0056

For research use only

Overview

Quantity	NA
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.