

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. |