
Recombinant Human ADCY1 Protein, N-His

Catalog Number: bs-105659P

Species: Human

AA Seq: 262-529/1119

Predicted MW: 32.84 kDa

Tags: N-His

Activity: Not tested

Purity: >90% as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

Storage: Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.

Background: The membrane bound adenylyl cyclases (ACs) represent one of the major families of effector enzymes for G protein coupled receptors. Eight human AC isoforms (AC-1 through AC-4) have been identified up to now and genes for at least nine adenylate cyclase (AC-1-AC-9) have been cloned characterized and sequenced. This is a calmodulin-sensitive adenylyl cyclase which may be involved in regulatory processes in the central nervous system. It may play a role in neuronal plasticity, memory acquisition and learning and is expressed predominantly in the brain, retina and adrenal medulla.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.3] Yuheng Wang. et al. Ginsenoside Rg1 alleviates cognitive impairment in vascular dementia by modulating Adcy1/Kdr-mediated cholinergic synapse and PI3K-AKT pathway. PHYTOMEDICINE. 2025 May;;156882 WB ; Rat . 40424986