

Geranylgeranyltransferase from rat, Recombinant

Cat. No. NATE-0285

Lot. No. (See product label)

Introduction

Description

Geranylgeranyltransferase type 1 or simply geranylgeranyltransferase is one of the three enzymes in the prenyltransferase group. In specific terms, Geranylgeranyltransferase (GGTase 1) adds a 20-carbon isoprenoid called a geranylgeranyl group to proteins bearing a CaaX motif: a four-amino acid sequence at the carboxyl terminal of a protein. Geranylgeranyltransferase inhibitors are being investigated as anti-cancer agents.

Synonyms

geranylgeranyltransferase type I; GGTase-I; GGTase; 160141-09-3; Geranylgeranyltransferase

Product Information

Species

Rat

Source

E. coli

Form

Solution

CAS No.

160141-09-3

Molecular Weight

38 kDa (β subunit), 44 kDa (α subunit)

Purity

> 90 % (SDS-PAGE)

Activity

1 pmol of GGTase-I will transfer 5 pmol of Farnesyl to RhoA in 15 min at 37°C.

Buffer

Supplied in 50 mM HEPES pH 7.4, 40 mM NaCl, 1 mM TECP and 5 μ M ZnCl₂.

Storage and Shipping Information

Stability

Store at -80 °C, avoid freeze/thaw cycles. Shelf Life: 12 months