

## 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 ( $\beta$  subunit), 44 kDa ( $\alpha$  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  $\mu$ M ZnCl<sub>2</sub>.

### Storage and Shipping Information

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