Creative Enzymes®

S-methyl-5'-thioadenosine phosphorylase from Human, Recombinant

Cat. No. NATE-0462

Lot. No. (See product label)

Introduction

Description MTAP expression is crucial for the catabolism of methylthioadenosine, which is a by-product of polyamine biosynthesis in the methionine salvage pathway. Protein expression is decreased by homozygous deletion and promoter hypermethylation.

Applications S-methyl-5′-thioadenosine phosphorylase human (MTAP) is an enzyme used in cancer research that is deficient in many types of cancer. Decreased MTAP expression may be used as a potential indicator of disease progression of gastrointestinal stromal tumors. MTAP may be a used to develop potential therapeutic strategies for hepat ocellular carcinoma (HCC) since MTAP inactivation has been linked to HCC development and invasiveness

Synonyms S-methyl-5'-thioadenosine phosphorylase; EC 2.4.2.28; 5'-deoxy-5'-methylthioadenosine phosphorylase; MTA phosphorylase; MeSAdo phosphorylase; MeSAdo/Ado phosphorylase; methylthioadenosine phosphorylase; methylthioadenosine nucleoside phosphorylase; 5'-methylthioadenosine:phosphate methylthio-D-ribosyl-transferase; S-methyl-5-thioadenosine phosphorylase; S-methyl-5-thioadenosine:phosphate S-methyl-5-thio-α-D-ribosyl-transferase; MTAP

Product Information

Species Human

Source E. coli

Form Supplied as a solution in 25 mM Tris-HCl, pH 8.0,100 mM NaCl, 0.05% Tween-20, 10% glycerol,and 3 mM DTT.

EC Number EC 2.4.2.28

CAS No. 61970-06-7

Molecular Weight 57 kDa

Storage and Shipping Information

Storage −70°C