

## 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 used to develop potential therapeutic strategies for hepatocellular 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- $\alpha$ -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