

## MTA/SAH nucleosidase Protein, Vibrio cholerae serotype O1, Recombinant (His &amp; Myc)

## General Information

Synonyms:	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase;5'-deoxyadenosine nucleosidase (DOA nucleosidase;dAdo nucleosidase);5'-methylthioadenosine nucleosidase (MTA nucleosidase);MTAN;S-adenosylhomocysteine nucleosidase (AdoHcy nucleosidase;SAH nucleosidase;SRH nucleosidase);mtnN;MTA/SAH nucleosidase
Protein Construction:	1-231 aa
Species:	Vibrio cholerae
Expression Host:	E. coli
Accession:	Q9KPI8
Molecular Weight:	32.0 kDa (predicted)
AA Sequence:	MKIGIIGAMQQEVAILKDLIEDVQEVNQAGCTFYSGQIQGVVVLLQSGIGKVSAAALGTALLISQYAPDVVINT GSAGGFDAASLNVGDVVISSEVRHHDADVTAFGYEIQMAGQPAAFKADEKLMTVAEQALAPNTHAVRG LICTGDAFVCTAERQQFIRQHFPSVVAVEMEASAIQTCHQFKVFPVWVRAISDVADKESPLSFEEFLPLAAKS SSAMVLKMEVELLK

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Protein Background**

Catalyzes the irreversible cleavage of the glycosidic bond in both 5'-methylthioadenosine (MTA) and S-adenosylhomocysteine (SAH/AdoHcy) to adenine and the corresponding thioribose, 5'-methylthioribose and S-ribosylhomocysteine, respectively. Also cleaves 5'-deoxyadenosine, a toxic by-product of radical S-adenosylmethionine (SAM) enzymes, into 5-deoxyribose and adenine.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481