



Recombinant *Gluconacetobacter diazotrophicus* tRNA dimethylallyltransferase (miaA)

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| Product Code | CSB-EP024529GEN |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | A9GZ15 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Gluconacetobacter diazotrophicus</i> (strain ATCC 49037 / DSM 5601 / PAI5) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MTQAADARDR PVLVIAGPTC SGKSALAMAV ARAVDGTIVN ADSMQVYRDL RILTARPTPA DEAECPHRLY GVLPATETGS VAWWRGRAVA EIEAWAAGR TPILCGGTGM YLRALTDGLT DIPDPGPEAR AEARRLVDAE GPAALHDLRA AVDPESAAAL HPADSQRVAR AWEVWSGTGH GMAHWRTAT LPPLACRRVA VRLDPPRDTL RAAIAVRFAA MVQGGALDEV RALLAQGLPP ALPAMRAHGV PELAAHLRGD LTLDEATHRA VLATGRYTRR QSTWFAHHDL AGPADSLVIG TRMGGDAQQM ERNYADAVSF ILMRIDVGRQ FP |
| Source | E.coli |
| Target Names | miaA |
| Protein Names | Recommended name: tRNA dimethylallyltransferase EC= 2.5.1.75 Alternative name(s): Dimethylallyl diphosphate:tRNA dimethylallyltransferase Short name= DMAPP:tRNA dimethylallyltransferase Short name= DMATase Isopentenyl-diph |
| Expression Region | 1-332 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |