



# Recombinant Nocardioiodes sp. (Dimethylallyl)adenosine tRNA methylthiotransferase MiaB

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| <b>Product Code</b>      | CSB-EP376514NFC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                                                                                                                                                         |
| <b>Uniprot No.</b>       | A1SNG0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Nocardioiodes sp. (strain ATCC BAA-499 / JS614)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MSTAQHTSPR TYEVRTYGCQ MNVHDSERLT GLLEDAGYVA<br>APDGQQADV VFNCAVREN ADNKLYGNLG HLAPVKAATP GMQIAVGGCL<br>AQKDRDTITT RAPWVDVVF THNIGSLPAL LERARVQDEA QVEILESLEV<br>FPSTLPTRE SAYAAWVSVS VGCNNTCTFC IVPSLRGKEK DRPGEILAE<br>VEALVADGVS EITLLGQNVN AYGVEFGDRQ AFSKLLRACG EVDGLERVRF<br>TSPHPAEFTD DVIAAMAETP NVMPQLHMPL QSGSDKVLRD MRRSYRQRKF<br>LGILERVRAA MPDAAITTDI IVGFPGETEE DFLQTMHVVR AARFSGAFTF<br>QYSKRPGTPA ATLPDQVPPE VVKDRYERLV ALVNEIAWEE NKRLVGRRVE<br>LMVAEGEGRK DAATHRLSGR GPDNRLVHFA PPAGVEIRPG DLATVEVTYA<br>APHHLVADGP VVDVRRTRSG DAWAARNAAP APSSGVTLGM PTVGAPAPLP<br>DAPACR |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Names</b>      | miaB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: (Dimethylallyl)adenosine tRNA methylthiotransferase<br>MiaB EC= 2.-.-.- Alternative name(s): tRNA-i(6)A37 methylthiotransferase                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Expression Region</b> | 1-496                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution</b>    | 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.                                                                                                                                                                                |
| <b>Shelf Life</b>        | 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.