



# Recombinant Escherichia coli 5-methylcytosine-specific restriction enzyme B (mcrB)

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| <b>Product Code</b>      | CSB-YP323332ENV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</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.                                                                                                                                                                                                                                                                 |
| <b>Uniprot No.</b>       | P15005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Escherichia coli (strain K12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | MESIQPWIEK FIKQAQQQRS QSTKDYPTSY RNLRVKLSFG YGNFTSIPWF<br>AFLGEGQEAS NGIYPVILYY KDFDELVLAY GISDTNEPHA QWQFSSDIPK<br>TIAEYFQATS GVYPKKYGQS YYACSQKVSQ GIDYTRFASM LDNIINDYKL<br>IFNSGKSVIP PMSKTESYCL EDALNDLFIP ETTIETILKR LTIKKNILQ<br>GPPGVGKTFV ARRLAYLLTG EKAPQRVNMV QFHQSYSYED FIQGYRPNGV<br>GFRRKDGIFY NFCQQAQEQP EKKYIFIIDE INRANLSKVF GEVMMMLMEHD<br>KRGENWSVPL TYSENDEERF YPENVIIG LMNTADRSLA VVDYALRRRF<br>SFIDIEPGFD TPQFRNLLN KKAEPSFVES LCQKMNELNQ EISKEATILG<br>KGFRIHSYF CCGLEDGTSP DTQWLNEIVM TDIAPLLEEY FFDDPYKQQK<br>WTNKLLGDS |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Target Names</b>      | mcrB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Names</b>     | Recommended name: 5-methylcytosine-specific restriction enzyme B EC=3.1.21.- Alternative name(s): EcoKMcrBC                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Expression Region</b> | 1-459                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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.                                                                                                                                                                                                                                                                 |