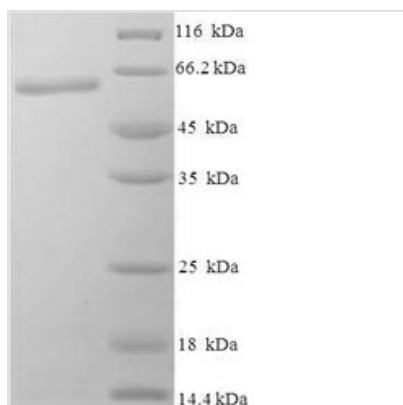




# Recombinant *Bacillus subtilis* Modification methylase BglII(bglIIM)

|                            |                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-EP670450BRI                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Relevance</b>           | This methylase recognizes the double-stranded sequence AGATCT, causes specific methylation on C-5 on both strands, and protects the DNA from cleavage by the BglII endonuclease.                                                                                                                                                                                                                |
| <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>         | Q45489                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>      | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Alias</b>               | N(4)- cytosine-specific methyltransferase BglII                                                                                                                                                                                                                                                                                                                                                 |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>             | <i>Bacillus subtilis</i>                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>              | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sequence</b>            | MSEDQYKQIKLHLGMEDDNEDLPNHIPSSFPKQHLNKIYNGDTMNMLLDIPDN<br>SVDLVVTSPPYNINKFKNDRRPLEEYLKWQTEIIEQCHRVLKPSGSIFWQVGTY<br>VNDGAHIPLDIRFFPIFESLGMFPRNRIVWVRPHGLHANKKFAGRHETILWFT<br>KTPEYKFFLDPIRVPQKYANKKHKGDKKGELSGDPLGKNPGDVWAFRNVHRH<br>NHEEDTIHPTQYPEDMIERIVLSTTEPNDIVLDPFIGMGTTASVAKNLNRYFYGA<br>EIEKEYVDIAYQILSGEPDENNNFPNLKTLRQYCEKNGIIDPSQYTFTRQRKGSK<br>PSLDSKAHPPEHHKKEIVERIEFEAENSVYKKVQNEQ |
| <b>Research Area</b>       | Others                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>              | <i>E.coli</i>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Names</b>          | bglIIM                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Expression Region</b>   | 1-360aa                                                                                                                                                                                                                                                                                                                                                                                         |
| <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>            | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Mol. Weight</b>         | 58.0kDa                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Description</b> | Full Length                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Image</b>               |                                                                                                                                                                                                                                                                                                                                                                                                 |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.