



# Recombinant Escherichia coli Type 1 fimbrin D-mannose specific adhesin(fimH)

|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-EP362349ENV                                                                                                                                                                                                                                                                                                                           |
| <b>Relevance</b>           | Involved in regulation of length and mediation of adhesion of type 1 fimbriae (but not necessary for the production of fimbriae). Adhesin responsible for the binding to D-mannose. It is laterally positioned at intervals in the structure of the type 1 fimbriae. In order to integrate FimH in the fimbriae FimF and FimG are needed. |
| <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>         | P08191                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>      | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                            |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>             | Escherichia coli (strain K12)                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>              | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                               |
| <b>Sequence</b>            | FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPETITD<br>YVTLQRGSA YGGVLSNFSGTVKYSGSSYPFPTTSETPRVVYNSRTDKPWPVA<br>LYLTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYANNDVVVPTGG<br>CDVSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYLSGTTADAGNSIFTNTAS<br>FSPAQGVGVQLTRNGTIIPANNTVSLGAVGTS AVSLGLTANYARTGGQVTAGN<br>VQSIIGVTFVYQ                              |
| <b>Research Area</b>       | Others                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Names</b>          | fimH                                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b>   | 22-300aa                                                                                                                                                                                                                                                                                                                                  |
| <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-GST-tagged                                                                                                                                                                                                                                                                                                               |
| <b>Mol. Weight</b>         | 59.1kDa                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Description</b> | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                             |
| <b>Image</b>               |                                                                                                                                                                                                                                                                                                                                           |

