

Recombinant Escherichia coli O157:H7 bamA Protein Product Manual

1. Product Basic Information

Product No.: REP06244

Protein Name: Outer Membrane Protein Assembly Factor Bama (bamA)

Aliases: outer membrane protein assembly factor BamA

UniProt ID: B5Y1J4

UniProt Link: <https://www.uniprot.org/uniprotkb/B5Y1J4/entry>

Species Source: Escherichia coli O157:H7

Expression System: E.coli

Protein Length: Partial (421-810aa)

Molecular Weight: 47.6 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (421-810aa)

RNTGSFNFGIGYGTESGVSFQAGVQQDNWLGTGYAVGINGTKNDYQTYAELSVTN
PYFTVDGVSLLGGRLFYNDQADDADLSQDYNKSYGTDVTLGFPINEYNSLRAGLGY
VHNSLSNMQPQVAMWRYLYSMGEHPSTSDQDNSFKTDDFTFNYGWTYNKLDRG
YFPTDGSRVNLTGKVTIPGSDNEYKVTLDATYVPIDDDHKWVVLGRTRWGYGD
GLGGKEMPFYENFYAGGSSTVRGFSNTIGPKAVYFPHQASNYDPDYDYECATQD
GAKDLCKSDDAVGGNAMAVASLEFITPTPFISDKYANSVRTSFFWDMGTVWDTNW
DSSQYSGYPDYSDPSNIRMSAGIALQWMSPLGPLVFSYAQPFFKKYDGDKAEQFQF
NIGKTW

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Escherichia coli O157:H7 bamA partial protein (421-810aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. bamA, also known as outer membrane protein assembly factor BamA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.