Recombinant strain ATCC BAA-835 / Muc ruvC Protein Product Manual

1. Product Basic Information

Product No.: REP08143

Protein Name: Crossover Junction Endodeoxyribonuclease Ruvc (ruvC)

Aliases: crossover junction endodeoxyribonuclease RuvC

UniProt ID: P0A814

UniProt Link: https://www.uniprot.org/uniprotkb/P0A814/entry

Species Source: Akkermansia muciniphila (strain ATCC BAA-835 / Muc)

Expression System: E.coli

Protein Length: Full Length (1-167aa)

Molecular Weight: 23.2 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-167aa)

MRILAIDPAIRNTGYAVVEGDYRRARALDYGTLSIPRSVSQSGCLLAIKQHLGNLIDK
WNPDEMAVERIIYVQSHQTAITMGAAKAAVVIAAAEAGLRIMEYSPKSVKLSVVGRG
AAQKTQVAFMVRALLELRETPESDAADALAIGLTHLFSADPLKAHMMERKYI

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

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 strain ATCC BAA-835 / Muc ruvC full length protein (1-167aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ruvC, also known as crossover junction endodeoxyribonuclease RuvC, 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.