
Product Data Sheet

Product Name: Intein Bacillus Circulans

Cat. No.: GP23708

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Intein-CBD		
Amino Acid Sequence	MKIEEGKLVI GSLEGCFAGK TNVLMADGSI ECIENTIEVGN KVMGKDGRPR EVIKLPRGRE TMYSVVQKSQ HRAHKSDSSR EPELLKFTC NATHELVVRT PRSVRRLSRT IKGVEYFEVI TFEMGQKKAP DGRIVELVKE VSKSYPISEG PERANELVES YRKASNKAYF EWTIEARDLS LLGSHVRKAT YQTYAPILYE NDHFFDYMOK SKFHLLTIEGP KVLAYLLGLW IGDGLSDRAT FSVDSRDTSL MERVTEYAEK LNLCAEYKDR KEPQVAKTVN LYSKVVRGAS TNPGVSAWQV NTAYTAGQLV TYNGKTYKCL QPHTSLAGWE PSNVPALWQL QGGHGGIRNN LNTENPLWDA IVGLGFLKDG VKNIPSFLST DNIGTRETFL AGLIDSDGYV TDEHGKATI KTIHTSVRDG LVSLARSLGL VSVNAEPAK VDMNVTKHKI SYAIYMSGGD VLLNVLKCA GSKKFRPAPA AAFARECRGF YFELQELKED DYYGITLSDD SDHQFLLGSQ VVVQNLEHHH HHH		
Formulation	The Intein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.		

Introduction

Intein is a section of a protein which can remove itself and return the remaining segment with a peptide bond. In addition, Inteins hold an endonuclease domain which takes part in Intein proliferation. Actually, various genes have unrelated intein-coding segments inserted at altered positions and they were found in all three domains of life (eukaryotes, bacteria, and archaea) and in viruses.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Intein Bacillus Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 533 amino acids (3-518) and having a molecular mass of 59.4 kDa. Intein is fused to a 16 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA