

32-4019: Recombinant Bacillus Circulans Intein

Alternative Name : Intein-CBD

Description

Source : E.coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The Intein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.
Storage condition :	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% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MKIEEGKLV I GSLEGCFAGK TNVLMADGSI ECIEIEVGN KVMGKDGRPR EVIKLPRGRE TMYSVVQKSQ HRAHKSDSSR EPELLKFTC NATHLVVRT PRSVRRLSRT IKGVEYFEVI TFEMGQKKAP DGRIVELVKE VSKSYPISEG PERANELVES YRKASNKAYF EWTIEARDLS LLGSHVRKAT YQTYAPILYE NDHFFDYMOK SKFHLLTIEGP KVLAYLLGLW IGDGLSDRAT FSVDSRDTSL MERVTEYAEK LNLCAEYKDR KEPQVAKTVN LYSKVVRGAS TNPGVSAWQV NTAYTAGQLV TYNGKTYKCL QPHTSLAGWE PSNPALWQL QGGHGGIRNN LNTENPLWDA IVGLGFLKDG VKNIPSFLST DNIGTRETFL AGLIDSDGYV TDEHGKATI KTIHTSVRDG LVSLARSLGL VSVNAEPAK VDMNVTKHKI SYAIYMSGGD VLLNVLSKCA GSKKFRPAPA AAFARECRGF YFELQELKED DYGITLSDD SDHQFLLGSQ VVVQNLEHHH HHH

