

Intein Bacillus Circulans Recombinant

Item Number	rAP-4507
Synonyms	Intein-CBD
Description	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.
Uniprot Accesion Number	
Amino Acid Sequence	MKIEEGKLVV GSLEGCFKAG TNVLMADGSI ECINIEVGN KVMGKDGRPR EVIKLPRGRE TMYSVVQKSQ HRAHKSDSSR EVPELLKFTC NATHELVVRT PRSVRRLSRT IKGVEYFEVI TFEMGQK- KAP DGRIVELVKE VSKSYPISEG PERANELVES YRKASNKAYF EWTIEARDLS LLGSHVRKAT YQTYAPILYE NDHFFDYMOK SKFHLTIEGP KVLAYLLGLW IGDGLSDRAT FSVDSRDTSL MERVTEYAEK LNLCAEYKDR KEPQVAKTVN LYSKVVVGAS TNPVSAWQV NTAYTAGQLV TYNGKTYKCL QPHTSLAGWE PSNVPALWQL QGGHGGIRNN LNTENPLWDA IVGLGFLKDG
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The Intein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**