

**Intein, 3-518aa, Bacillus, His tag, E.coli**

**Cat.NO.: TP02667**

3th Edition

**Synonyms:**Intein-CBD.

**Description:**Intein-CBD, also known as Intein, is a segment of a protein that is able to excise itself and rejoin the remaining portions with a peptide bond. Most reported inteins also contain an endonuclease domain that plays a role in intein propagation. In fact, many genes have unrelated intein-coding segments inserted at different positions.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**59.4 kDa (533aa), confirmed by MALDI-TOF

**Sequences:**

MKIEEGKLVIGSLEGCFAGKGTNVLMDGSI EC IENIEVGNKVMGKDGRPREVIKLPGRGRETMYSVVQKSQHRAHKS  
DSSREVPPELLKFTCNATHELVVRTPRSVRRLSRTIKGVEYFEVITFEMGQKKAPDGRIVELVKEVSKSYPISEGP  
ERANELVESYRKASNKAYFEWTIEARDLSLLGSHVRKATYQTYAPILYENDHFFDYMQKSKFH LTIEGPKVLAYLLGLWIG  
DGLSDRATFSVDSRDTSLMERVTEYAEKLNLC AEYKDRKEPQVAKTVNLYSKVVRGASTNPGVSAWQVNTAYTAG  
QLV TYNGKTYKCLQPHTSLAGWEP SNVPALWQLQGGHGGIRNNLNTENPLWDAIVGLGFLKDG VKNIPSFLSTDNI  
GTRETFLAGLIDSDGYVTDEHG I KATI KTIHTSVRDGLVSLARSLGLVSVNAEPAKVDMNVTKHKISYAIYMSGGDV  
LLNVLSKCAGSKKFRPAPAAAFARECRGFYFELQELKEDDYGGITLSDDSDHQFLLGSQVVVQNLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.