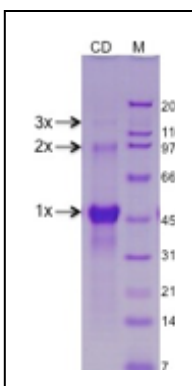


Recombinant CdeC/CD1067 Protein

Catalog Number	Size
AG351-10	10ug
AG351-25	25ug
AG351-B	Bulk

Description

The cysteine-rich protein CdeC (or CD1067) of *Chloridoids difficile* was expressed in E coli system and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 46kDa.



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MQDYKKNKRMMNQPMSTMNEEEVYTDEINSEDMRGFKKSHHHNGCNTDN
KCECHDDCNPCNPNCKPNPCNPNPCDDNCGCHDNCKDCPECEMD
SDECFENKCGPECCNPISPRNFSVSNAPFAIEANRIFDTMQFQTFTDAT
GPNGEPLTFETEVEVFGSVPSAGQASVTIEKICLSNDGIVIDTGMTTLE
DFDLPLGDIVGRNCETTFEFAVCGERNSECCRQKGKSVAYKQRLTVA
VRNLVLELRGRCGCTEFVALAFPVRAGGGCKRRVDYVEFTFNTLSAPIC
LPADGRAVTLRQEYQTNLTVDICIGKSILKLECNECFEYELIIPNDIDL
VLCLQETVSTLISEQIVVLASPNPIQPRLVDTFSKVCDFSQCGPNHSGK
PSCHR

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Accession Number

WP_003437985

Molecular Mass

Approximately 46kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The CdeC (or CD1067) proteins is essential for the assembly of the exosporium in *B. anthracis* spores and for the morphogenesis of the coat and exosporium layer of spores. Recombinant CdeC/CD1067 protein can be used for immunization, protein-protein interactions and other related assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!