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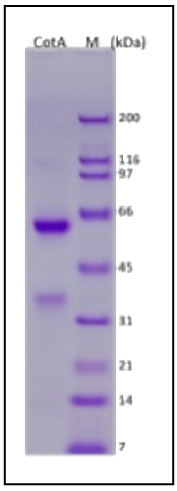
Recombinant CotA/CD1613 Protein

Catalog Number	Size
AG353-10	10ug
AG353-25	25ug
AG353-B	Bulk

Description



The coat protein CotA (or CD1613) 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. Although it migrates in SDS-PAGE with an apparent molecular mass of 35kDa, the majority of the purified CotA stays as a dimer.

MENNKCREDFRFTQEYEEDYPNTNERYYENYQVADRYYNYPNKYKEPKIK
QCCCKKSMREALELLRYDALRPFVNFNQFAFISDFFIVGANLVGIDLSAP
PKDNLSGLDGTFERFSACNCDLIDIAGRVSYPIPVPLTLEGLINTIGTIP
GVAELIALIDAVIPPTIDLGAILDAILAAIIDFILAASTPLANVDLASLC
NLKAVAFDITPADYEDFIASLGYYLDKKHYKECNCNCDCDDCCCNKGILD
NLYMSNINNQVTVVAGSLVLTGVEVLGKKNDVIVLGNSNDSRIYFVCVDS
IDYIA

Accession Number WP_003436448

Molecular Mass Approximately 35kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The spore coat protein CotA (or CD1613) is a Copper-dependent laccase and involved in protection against hydrogen peroxide. Recombinant CotA/CD1613 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 2-8ºC for one month or at -20ºC to -70ºC for three months without detectable loss of activity. ***(Avoid repeated freeze-thaw cycle)***

FOR RESEARCH USE ONLY!!!