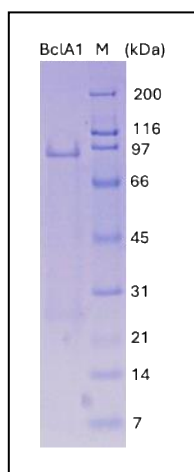


Recombinant BclA1/CD0332 Protein

Catalog Number	Size
AG354-10	10ug
AG354-25	25ug
AG354-B	Bulk

Description

The *Chloridoids difficile* spore protein BclA1 (or CD0332) 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 80kDa.



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MRNIILYLNDDTFISKYPDKNFSNLDYCLIGSKCSNSFVKEKLITFFKV
RIPDILKDKSILKAELFIHIDSNNKHIFKEKVDIEIKRISEYYNLRITW
NDRVSMENIRGYLPIGISDTSNYICLNITGTIKAWAMNKYPNYGLALSIN
YPYQILEFTSSRGCNKPYILVTFEDRIIDNCYPKCECPPIRITGPMGPRG
ATGSTGPMGVTGPTGSTGATGSIGPTGPTGNTGATGSIGPTGVTGPTGST
GATGSIGPTGVTGPTGNTGVTGSIGPTGATGPTGNTGVTGSIGPTGVTGP
TGNTGEIGPTGATGPTGVTGSIGPTGATGPTGEIGPTGATGATGSIGPTG
ATGPTGATGVTGEIGPTGEIGPTGATGPTGVTGSIGPTGATGPTGATGEI
GPTGATGPTGVTGSIGPTGATGPTGATGEIGPTGATGPTGVTGEIGPTGA
TGPTGNTGVTGEIGPTGATGPTGNTGVTGEIGPTGATGPTGVTGEIGPTG
NTGATGSIGPTGVTGPTGATGSIGPTGATGATGVTGPTGPTGATGNSSQP
VANFLVNAPSPQTLNNGDAITGWQTIIGNSSSITVDNTGTFTVQENGYYY
ISVSVALQPGSSSINQYSFAILFPILGGKDLAGLTTEPGGGGVLSGYFAG
FLFGGTTFTINNFSSTTVGIRNGQSAGTAATLTIFRIADTVMT
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Accession Number

WP_011860734

Molecular Mass

Approximately 80kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The BclA1 (or CD0332) protein is a spore coat protein and impacts spore morphogenesis and pathogenesis across the species of *C. difficile* clades. Recombinant BclA1/CD0332 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!!!