

Recombinant Full Length Bacillus Pseudofirmus Probable Cadmium-Transporting Atpase(Cada) Protein, His-Tagged

Cat. No. RFL12236BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Bacillus pseudofirmus Probable cadmium-transporting ATPase(cadA) Protein (P30336) (1-723aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Bacillus pseudofirmus
Source	E.coli
ProteinLength	Full Length (1-723)
Form	Lyophilized powder
AA Sequence	MSDQKAITSEQEMKAYRVQGFTCANCAGKFEKNVKQLSGVEDAKVNFGASKIAVYG NATI EELEKAGAFENLKVTPPEKSARQASQEVKEDTKEDKVPFYKKHSTLLYASLLIAF GYLSSY VNGEENIVTLLFLASMFIGGLSLFKVGLQNLLRFEFDMKTLMTVAVIGGAIL GEWAEVA IVVILFAISEALERFSMDRARQSIRSLMDIAPKEALVKRNGQEIMIHVDDIA VGDIMIVK PGQKIAMDGVVVS GYS AVNQAAITGESVPVEKTV DNEVFAGTLNEEGLL EVEITKLVEDT TISKIHLVEEAQGERAPSQAFVDKFAKYYPPIIMIIAALVAIVPPLFFD GSWETWIYQG LAVLVVGCPCALVISTPISIVSAIGNAAKKGVLVKGGVYLEEMGALK AIAFDKTGTLTKG VPAVTDYNVLNKQINEKELLSIITALEYRSQHPLASAIMKKAEEENI TYS DVQVEDFSSI TGKGIKGIVNGTTYIIGSPKLFKELLTND FDKDLEQNVTTLQNQG KTAMIIGTEKEILAV IAVADEVRESSKEILQKLHQLGIKKTIMLTGDNKGTANAIGGQV GVSDIEAELMPQDKLD FIKQLRSEYGNVAMVGDGVNDAPALAASTVGIAMGGAGTD

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	TALETADVALMGDDLRLKLPF TVKLSRKTLNIIKANITFAIAIKFIALLLVIPGWLTWIAIL SDMGATLLVALNGLRLMR VKE
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	cadA
Synonyms	cadA; BpOF4_21834; Probable cadmium-transporting ATPase; Cadmium-efflux ATPase
UniProt ID	P30336

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