

SEQUENCE LISTING

<110> Protein Design Lab, Ltd.

<120> ANTI-CYANOBACTERIA RECOMBINANT ANTIBODY POLYPEPTIDE,
GENE THEREOF, AND PREPARATION METHOD THEREOF

<130> PC11853/JJQ

<160> 9

<170> PatentIn version 3.3

<210> 1

<211> 1878

<212> DNA

<213> Nucleotide sequence encoding colicin Ia

<400> 1

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<213> Gene of antibody mimetics against *Microcystis aeruginosa* surface antigen

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<212> PRT

<213> Amino acid sequence of antibody mimetics against *Microcystis aeruginosa* surface antigen

<400> 3

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<211> 87

<212> DNA

<213> VHCDR1 N-C sequence in reversed order of gene of antibody mimetics
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<210> 5

<211> 29

<212> PRT

<213> VHCDR1 N-C sequence in reversed order of amino acid sequence of
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<210> 6

<211> 1965

<212> DNA

<213> Nucleotide sequence encoding anti-cyanobacteria polypeptide I

<400> 6

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Ala Leu Ile Asp Glu Ser Leu Val Glu Lys Ala Asn Lys Phe Trp Gly			
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<210> 8
 <211> 1965
 <212> DNA
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<400> 8

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<210> 9

<211> 654

<212> PRT

<213> Amino acid sequence of anti-cyanobacteria polypeptide 2

<400> 9

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Gly Asn Lys Thr Ile Trp Gly Gly Asn Glu Trp Val Asp Asp Ser Pro

50 55 60

Thr Arg Ser Asp Ile Glu Lys Arg Asp Lys Glu Ile Thr Ala Tyr Lys

65 70 75 80

Asn Thr Leu Ser Ala Gln Gln Lys Glu Asn Glu Asn Lys Arg Thr Glu

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Ala Gly Lys Arg Leu Ser Ala Ala Ile Ala Ala Arg Glu Lys Asp Glu
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 Asn Thr Leu Lys Thr Leu Arg Ala Gly Asn Ala Asp Ala Ala Asp Ile
 115 120 125
 Thr Arg Gln Glu Phe Arg Leu Leu Gln Ala Glu Leu Arg Glu Tyr Gly
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 Phe Arg Thr Glu Ile Ala Gly Tyr Asp Ala Leu Arg Leu His Thr Glu
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 Ser Arg Met Leu Phe Ala Asp Ala Asp Ser Leu Arg Ile Ser Pro Arg
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 Arg Lys Gly Ile Leu Asp Thr Arg Leu Ser Glu Leu Glu Lys Asn Gly
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 Ala Glu Gln Gln Leu Thr Gln Gln Lys Asn Thr Pro Asp Gly Lys Thr
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340 345 350

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355 360 365

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Glu Asn Trp Arg Pro Leu Phe Val Lys Thr Glu Thr Ile Ile Ala Gly

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Ile	Ile	Gly	Tyr
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Ala	Val	Thr	Gly
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Tyr	Ser	Trp	Val
Lys	Gln	Arg	Pro
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