

eolf-seq1
SEQUENCE LISTING

<110> BASF SE

<120> Method for increasing the viscosity of a polyacrylamide solution

<130> 76089W002 / B14950W02

<150> EP16162684

<151> 2016-03-29

<160> 4

<170> PatentIn version 3.5

<210> 1

<211> 612

<212> DNA

<213> Rhodococcus rhodochrous

<400> 1

gtgagcgagc acgtcaataa gtacacggag tacgaggcac gtaccaaggc gatcgaaacc	60
ttgctgtacg agcgagggct catcacgccc gccgcggtcg accgagtcgt ttcgtactac	120
gagaacgaga tcggcccgat gggcgggtgcc aaggctcgtgg ccaagtcctg ggtggaccct	180
gagtaccgca agtggctcga agaggacgcg acggccgcga tggcgtcatt gggctatgcc	240
ggtgagcagg cacaccaaatt ttcggcggtc ttcaacgact cccaaacgca tcacgtggtg	300
gtgtgcactc tgtgttcgtg ctatccgtgg ccggtgcttg gtctcccgcc cgcctgggtac	360
aagagcatgg agtaccggtc ccgagtggta gcggaccctc gtggagtgct caagcgcgat	420
ttcggtttcg acatccccga tgagggtggag gtcagggttt gggacagcag ctccgaaatc	480
cgctacatcg tcatccccga acggccggcc ggcaccgacg gttgggtccga ggaggagctg	540
acgaagctgg tgagccggga ctcgatgata ggtgtcagta atgcgctcac accgcaggaa	600
gtgatcgtat ga	612

<210> 2

<211> 203

<212> PRT

<213> Rhodococcus rhodochrous

eolf-seql

<400> 2

Val Ser Glu His Val Asn Lys Tyr Thr Glu Tyr Glu Ala Arg Thr Lys
1 5 10 15

Ala Ile Glu Thr Leu Leu Tyr Glu Arg Gly Leu Ile Thr Pro Ala Ala
20 25 30

Val Asp Arg Val Val Ser Tyr Tyr Glu Asn Glu Ile Gly Pro Met Gly
35 40 45

Gly Ala Lys Val Val Ala Lys Ser Trp Val Asp Pro Glu Tyr Arg Lys
50 55 60

Trp Leu Glu Glu Asp Ala Thr Ala Ala Met Ala Ser Leu Gly Tyr Ala
65 70 75 80

Gly Glu Gln Ala His Gln Ile Ser Ala Val Phe Asn Asp Ser Gln Thr
85 90 95

His His Val Val Val Cys Thr Leu Cys Ser Cys Tyr Pro Trp Pro Val
100 105 110

Leu Gly Leu Pro Pro Ala Trp Tyr Lys Ser Met Glu Tyr Arg Ser Arg
115 120 125

Val Val Ala Asp Pro Arg Gly Val Leu Lys Arg Asp Phe Gly Phe Asp
130 135 140

Ile Pro Asp Glu Val Glu Val Arg Val Trp Asp Ser Ser Ser Glu Ile
145 150 155 160

Arg Tyr Ile Val Ile Pro Glu Arg Pro Ala Gly Thr Asp Gly Trp Ser
165 170 175

Glu Glu Glu Leu Thr Lys Leu Val Ser Arg Asp Ser Met Ile Gly Val

eolf-seql

180

185

190

Ser Asn Ala Leu Thr Pro Gln Glu Val Ile Val
195 200

<210> 3
<211> 690
<212> DNA
<213> Rhodococcus rhodochrous

<400> 3
atggatggta tccacgacac aggcggcatg accggatacg gaccgggtccc ctatcagaag 60
gacgagccct tcttccacta cgagtgggag ggtcggaccc tgtcaattct gacttggatg 120
catctcaagg gcatatcgtg gtgggacaag tcgcggttct tccgggagtc gatggggaac 180
gaaaactacg tcaacgagat tcgcaactcg tactacaccc actggctgag tgcggcagaa 240
cgtatcctcg tcgccgacaa gatcatcacc gaagaagagc gaaagcaccg tgtgcaagag 300
atccttgagg gtcggtacac ggacaggaag ccgctcgcgga agttcgatcc ggcccagatc 360
gagaaggcga tcgaacggct tcacgagccc cactccctag cgcttccagg agcggagccg 420
agtttctctc tcggtgacaa gatcaaagtg aagagtatga acccgctggg acacacacgg 480
tgcccgaat atgtgcggaa caagatcggg gaaatcgctg cctaccacgg ctgccagatc 540
tatcccgaga gcagctccgc cggcctcggc gacgatcctc gcccgctcta cacggtcgcg 600
ttttccgccc aggaactgtg gggcgacgac ggaaacggga aagacgtagt gtgcgtcgat 660
ctctgggaac cgtacctgat ctctgcgtga 690

<210> 4
<211> 229
<212> PRT
<213> Rhodococcus rhodochrous

<400> 4

Met Asp Gly Ile His Asp Thr Gly Gly Met Thr Gly Tyr Gly Pro Val
1 5 10 15

eolf-seql

Pro	Tyr	Gln	Lys	Asp	Glu	Pro	Phe	Phe	His	Tyr	Glu	Trp	Glu	Gly	Arg			
			20					25					30					
Thr	Leu	Ser	Ile	Leu	Thr	Trp	Met	His	Leu	Lys	Gly	Ile	Ser	Trp	Trp			
		35					40					45						
Asp	Lys	Ser	Arg	Phe	Phe	Arg	Glu	Ser	Met	Gly	Asn	Glu	Asn	Tyr	Val			
	50					55					60							
Asn	Glu	Ile	Arg	Asn	Ser	Tyr	Tyr	Thr	His	Trp	Leu	Ser	Ala	Ala	Glu			
65					70					75					80			
Arg	Ile	Leu	Val	Ala	Asp	Lys	Ile	Ile	Thr	Glu	Glu	Glu	Arg	Lys	His			
				85					90					95				
Arg	Val	Gln	Glu	Ile	Leu	Glu	Gly	Arg	Tyr	Thr	Asp	Arg	Lys	Pro	Ser			
			100					105					110					
Arg	Lys	Phe	Asp	Pro	Ala	Gln	Ile	Glu	Lys	Ala	Ile	Glu	Arg	Leu	His			
		115					120					125						
Glu	Pro	His	Ser	Leu	Ala	Leu	Pro	Gly	Ala	Glu	Pro	Ser	Phe	Ser	Leu			
	130					135					140							
Gly	Asp	Lys	Ile	Lys	Val	Lys	Ser	Met	Asn	Pro	Leu	Gly	His	Thr	Arg			
145					150					155					160			
Cys	Pro	Lys	Tyr	Val	Arg	Asn	Lys	Ile	Gly	Glu	Ile	Val	Ala	Tyr	His			
				165					170					175				
Gly	Cys	Gln	Ile	Tyr	Pro	Glu	Ser	Ser	Ser	Ala	Gly	Leu	Gly	Asp	Asp			
			180					185					190					
Pro	Arg	Pro	Leu	Tyr	Thr	Val	Ala	Phe	Ser	Ala	Gln	Glu	Leu	Trp	Gly			
		195					200					205						

eolf-seql

Asp	Asp	Gly	Asn	Gly	Lys	Asp	Val	Val	Cys	Val	Asp	Leu	Trp	Glu	Pro
210						215					220				

Tyr	Leu	Ile	Ser	Ala
225				