

P1826PCT\_sequ.list..txt  
SEQUENCE LISTING

<110> Max-Planck-Gesellschaft zur Förderung der Wissenschaften  
e.V.

<120> Fluorescently or spin-labeled kinases for rapid screening and  
identification of novel kinase inhibitor scaffolds

<130> P1826 PCT

<150> US 61/083,335  
<151> 2008-07-24

<150> EP 08 01 3340.8  
<151> 2008-07-24

<150> EP 08 02 0341.7  
<151> 2008-11-21

<150> EP 09 00 5493.3  
<151> 2009-04-17

<160> 2

<170> PatentIn version 3.3

<210> 1  
<211> 360  
<212> PRT  
<213> Homo sapiens

<400> 1

Met Ser Gln Glu Arg Pro Thr Phe Tyr Arg Gln Glu Leu Asn Lys Thr  
1 5 10 15

Ile Trp Glu Val Pro Glu Arg Tyr Gln Asn Leu Ser Pro Val Gly Ser  
20 25 30

Gly Ala Tyr Gly Ser Val Cys Ala Ala Phe Asp Thr Lys Thr Gly Leu  
35 40 45

Arg Val Ala Val Lys Lys Leu Ser Arg Pro Phe Gln Ser Ile Ile His  
50 55 60

Ala Lys Arg Thr Tyr Arg Glu Leu Arg Leu Lys His Met Lys His  
65 70 75 80

Glu Asn Val Ile Gly Leu Leu Asp Val Phe Thr Pro Ala Arg Ser Leu  
85 90 95

Glu Glu Phe Asn Asp Val Tyr Leu Val Thr His Leu Met Gly Ala Asp  
100 105 110

Leu Asn Asn Ile Val Lys Cys Gln Lys Leu Thr Asp Asp His Val Gln  
115 120 125

Phe Leu Ile Tyr Gln Ile Leu Arg Gly Leu Lys Tyr Ile His Ser Ala  
130 135 140

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Asp Ile Ile His Arg Asp Leu Lys Pro Ser Asn Leu Ala Val Asn Glu  
145 150 155 160

Asp Cys Glu Leu Lys Ile Leu Asp Phe Gly Leu Ala Arg His Thr Asp  
165 170 175

Asp Glu Met Thr Gly Tyr Val Ala Thr Arg Trp Tyr Arg Ala Pro Glu  
180 185 190

Ile Met Leu Asn Trp Met His Tyr Asn Gln Thr Val Asp Ile Trp Ser  
195 200 205

Val Gly Cys Ile Met Ala Glu Leu Leu Thr Gly Arg Thr Leu Phe Pro  
210 215 220

Gly Thr Asp His Ile Asp Gln Leu Lys Leu Ile Leu Arg Leu Val Gly  
225 230 235 240

Thr Pro Gly Ala Glu Leu Leu Lys Lys Ile Ser Ser Glu Ser Ala Arg  
245 250 255

Asn Tyr Ile Gln Ser Leu Thr Gln Met Pro Lys Met Asn Phe Ala Asn  
260 265 270

Val Phe Ile Gly Ala Asn Pro Leu Ala Val Asp Leu Leu Glu Lys Met  
275 280 285

Leu Val Leu Asp Ser Asp Lys Arg Ile Thr Ala Ala Gln Ala Leu Ala  
290 295 300

His Ala Tyr Phe Ala Gln Tyr His Asp Pro Asp Asp Glu Pro Val Ala  
305 310 315 320

Asp Pro Tyr Asp Gln Ser Phe Glu Ser Arg Asp Leu Leu Ile Asp Glu  
325 330 335

Trp Lys Ser Leu Thr Tyr Asp Glu Val Ile Ser Phe Val Pro Pro Pro  
340 345 350

Leu Asp Gln Glu Glu Met Glu Ser  
355 360

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<211> 283

<212> PRT

<213> Artificial sequence

<220>

<221> source

<223> /note="Description of artificial sequence: chicken c-SRC kinase domain: residues 251-533"

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Gln Thr Gln Gly Leu Ala Lys Asp Ala Trp Glu Ile Pro Arg Glu Ser  
1 5 10 15

Leu Arg Leu Glu Val Lys Leu Gly Gln Gly Cys Phe Gly Glu Val Trp  
20 25 30

Met Gly Thr Trp Asn Gly Thr Thr Arg Val Ala Ile Lys Thr Leu Lys  
35 40 45

Pro Gly Thr Met Ser Pro Glu Ala Phe Leu Gln Glu Ala Gln Val Met  
50 55 60

Lys Lys Leu Arg His Glu Lys Leu Val Gln Leu Tyr Ala Val Val Ser  
65 70 75 80

Glu Glu Pro Ile Tyr Ile Val Thr Glu Tyr Met Ser Lys Gly Ser Leu  
85 90 95

Leu Asp Phe Leu Lys Gly Glu Met Gly Lys Tyr Leu Arg Leu Pro Gln  
100 105 110

Leu Val Asp Met Ala Ala Gln Ile Ala Ser Gly Met Ala Tyr Val Glu  
115 120 125

Arg Met Asn Tyr Val His Arg Asp Leu Arg Ala Ala Asn Ile Leu Val  
130 135 140

Gly Glu Asn Leu Val Cys Lys Val Ala Asp Phe Gly Leu Ala Arg Leu  
145 150 155 160

Ile Glu Asp Asn Glu Tyr Thr Ala Arg Gln Gly Ala Lys Phe Pro Ile  
165 170 175

Lys Trp Thr Ala Pro Glu Ala Ala Leu Tyr Gly Arg Phe Thr Ile Lys  
180 185 190

Ser Asp Val Trp Ser Phe Gly Ile Leu Leu Thr Glu Leu Thr Thr Lys  
195 200 205

Gly Arg Val Pro Tyr Pro Gly Met Val Asn Arg Glu Val Leu Asp Gln  
210 215 220

Val Glu Arg Gly Tyr Arg Met Pro Cys Pro Pro Glu Cys Pro Glu Ser  
225 230 235 240

Leu His Asp Leu Met Cys Gln Cys Trp Arg Lys Asp Pro Glu Glu Arg  
245 250 255

Pro Thr Phe Glu Tyr Leu Gln Ala Phe Leu Glu Asp Tyr Phe Thr Ser  
260 265 270

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Thr	Glu	Pro	Gln	Tyr	Gln	Pro	Gly	Glu	Asn	Leu
		275					280			