

pc3(FLAG)-B2AR Sequence

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
AAGCTTGGTA	CCGAGCTGG	ATCCACCATG	AAGACCATCA	TGGCCCTGAG	50
<i>HindIII</i>	<i>KpnI</i>	<i>BamHI</i>	M K T I I A L S		
CTACATCTTC	TGCTGGTGT	TGGCCACTA	CAAGGAAGAT	GATGACGGCG	100
Y I F C L V F	A D Y K D D	D D A G			
GGCAACCCGG	GAACGGGAGC	GCCTTCTTGC	TGGCAACCAA	TAGAAGOCAT	150
Q P G N G S	A F L L	A P N R S H			
GCGCCGGACC	ACGACGTCAC	GCAGCAGAGG	GACGAGGTGT	GGGTGGTGGG	200
A P D H D V T	Q Q R D E V W	V V G			
CATGGGCATC	GTCATGTCTC	TCATOGTCT	GGCCATOGTG	TTTGGCAATG	250
M G I V M S L	I V L A I V	F G N V			
TGCTGGTCAT	CACAGCCATT	GCCAAGITCG	AGCGTCTGCA	GACGGTCACC	300
L V I T A I	A K F E R L	Q ^R T V T			
AACTACTTCA	TCACTTCACT	GGCCTGTGCT	GATCTGGTCA	TGGCCCTGGC	350
N Y F I T S L	A C A D L V M	G L A			
AGTGGTGGCC	TTTGGGGGCG	CCCATATTCT	TATGAAAATG	TGGACTTTTG	400
V V P F G A A	H I L M K M	W T F G			
GCAACTTCTG	GTGCGAGTTT	TGGACTTCCA	TTGATGTGCT	GTGCGTCACG	450
N F W C E F	W T S I D V L	C V T			
GCCAGCATTG	AGACCCTGTG	CGTGATCGCA	GTGGATCGCT	ACTTTGOCAT	500
A S I E T L C	V I A V	(D)(R)(Y)	F A I		
TACTTCACCT	TTCAAGTACC	AGAGCCTGCT	GACCAAGAAT	AAGCCCCGGG	550
T S P F K Y Q	S L L T K N	K A R V			
TGATCATTCT	GATGGTGTGG	ATTGTGTGAG	GCCTTACCTC	CTTCTTGGCC	600
I I L M V W	I V S G L T S	F L P			
ATTICAGATGC	ACTGGTACCG	GGCCACCAC	CAGGAAGCCA	TCAACTGCTA	650
I Q M H W Y R	A T H Q E A I	N C Y			
TGCCAATGAG	ACCTGCTGTG	ACTTCTTTCAC	GAACCAAGCC	TATGCCATTG	700
A N E T C C D	F F T N Q A	Y A I A			
CCTCTTCCAT	CGTGTCTTTC	TACGTTCCCC	TGGTATCAT	GGTCTTGTGTC	750
S S I V S F	Y V P L V I M	V F V			
TACTCCAGGG	TCTTTCAGGA	GGCCAAAAGG	CAGCTCCAGA	AGATTGACAA	800
Y S R V F Q E	A K R Q L Q K	I D K			
ATCTGAGGGC	CGCTTCCATG	TCCAGAACCCT	TAGCCAGGTG	GAGCAGGATG	850
S E G R F H V	Q N L S Q V	E Q D G			
GGCGGACGGG	GCATGGACTC	CGCAGATCTT	CCAAGTTCIG	CTTGAAGGAG	900
R T G H G L	R R S S K F C	L K E			

Bam^HYba I

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1234567890	1234567890	1234567890	1234567890	1234567890	
CACAAAGCCC	TCAAGACGTT	AGGCATCATC	ATGGGCACCTT	TCACCCCTCTG	950
H K A L	K T L	G I I	M G T F	T L C	
CTGGCTGCCC	TTCTTCATCG	TTAACATTGT	GCATGTGATC	CAGGATAAACC	1000
W L P	F F I V	N I V	H V I	Q D N L	
TCATCCGTAA	GGAAGTTTAC	ATCCTCCTAA	ATTGGATAGG	CTATGTCAAT	1050
I R K	E V Y	I L L N	W I G	Y V N	
TCTGGTTTCA	ATCCCCTTAT	CTACTGCCGG	AGCCCAGATT	TCAGGATTGC	1100
S G F	(N) (P) L I	(Y) C R	S P D F	R I A	
CTTCCAGGAG	CTTCTGTGCC	TGCGCAGGTC	TTCTTTGAGG	GOCTATGGGA	1150
F Q E	L L C L	R R S	S L K	A Y G N	
ATGGCTACTC	CAGCAACGGC	AACACAGGGG	AGCAGAGTGG	ATATCACGTG	1200
G Y S	S N G	N T G E	Q S G	Y H V	
GAACAGGAGA	AAGAAAATAA	ACTGCTGTGT	GAAGAOCTCC	CAGGCAOGGA	1250
E Q E K	E N K	L L C	E D L P	G T E	
AGACTTTGTG	GGCCATCAAG	GTA CTGTGCC	TAGCGATAAC	ATTGATTAC	1300
D F V	G H Q G	T V P	S D N	I D S Q	
AAGGGAGGAA	TTGTAGTACA	AATGACTCAC	TGCTGTAAG	CAGTTTTTCT	1350
G R N	C S T	N D S L	L . S	S F S	
ACTTTTAAAG	ACCCCCCCCC	CCAACAGAAC	ACTAAACAGA	CTATTTAACT	1400
T F K D	P P P	Q Q N	T K Q T	I . L	
TGAGGGTAAT	AACTTAGAA	TAAAATTGTA	AAATTGTATA	GAGATATGCA	1450
E G N	K L R I	K L .	N C I	E I C R	
GAAGGAAGGG	CATCCTTCTG	CCTTTTTTAT	TTTTTTAAGC	TGTAAAAAGA	1500
R K G	I L L	P F L F	F . A	V K	
GAGAAAACCTT	ATTGAGTGA	TTATTTGTTA	TTTGTACAGT	TCAGTTCCCTC	1550
TTTGCATGGA	ATTGTAAGT	TTATGTCTAA	AGAGCTTTAG	TCCTAGAGGA	1600
CCTGAGTCTG	CTATATTTTC	ATGACTTTTC	CAIGTATCTG	CCTCACTATT	1650
CAAGTATTAG	GGTAATATA	TTGCTGCTGG	TAATTTGTAT	CTGAAGGAGA	1700
TTTTCTCTCC	TACACCTTGG	GACTTGAGGA	TTTTGAGTAT	CTCGGACCTT	1750
TCAGCTGTGA	ACATGGACTC	TTCCCCACT	CCTCTTATTT	GCTCACACGG	1800

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1234567890	1234567890	1234567890	1234567890	1234567890	
GGTATTTT	TAG GCAGGGATT	T GAGGAGCAGC	TTCAGTTGTT	TTCCCGAGCA	1850
AAGTCTAAAG	TTTACAGTAA	ATAAATTGTT	TGACCATGAA	AAAAAAAAAA	1900
AAGGTAGCAG	TCGAGCATGC	ATCTAGAGGG	CCC		1933
		<u> </u>	<u> </u>		
		XbaI	ApaI		

pc3(FLAG)-B2AR Restriction Sites

Map Name	# Sites	"All Enzymes" Sites
AatII	1	168
Acc65I	2	8, 615
AccI	1	750
AciI	4	369, 811, 853, 871
AflII	0	
AflIII	0	
AgeI	0	
AhaII	2	96, 165
AluI	9	4, 16, 51, 784, 1111, 1490, 1585, 1755, 1830
AlwI	4	28, 15, 492, 982
AlwNI	1	526
ApaI	1	1933
ApaLI	0	
ApoI	1	1560
AscI	0	
AseI	0	
AvaI	3	107, 546, 1844
AvaII	3	157, 1599, 1745
AvrII	0	
BalI	1	233
BamHI	1	20
BanI	4	8, 133, 355, 615
BanII	3	18, 1085, 1933
BbsI	5	38, 736, 1122, 1239, 1257
BbvI	6	129, 184, 793, 942, 1661, 1839
BclI	2	552, 735
BfaI	3	1281, 1594, 1924
BglI	0	
BglII	1	875
BpuI102I	0	
BsaAI	1	1198
BsaBI	0	
BsaHI	2	96, 165
BsaI	2	455, 653
BsaJI	6	107, 546, 729, 756, 1240, 1717
BsiEI	0	
BsiWI	0	
BslI	6	113, 154, 352, 835, 951, 1246
BsmAI	3	222, 455, 653

pc3(FLAG)-B2AR Restriction Sites

Map Name	# Sites	"All Enzymes" Sites
BsmI	0	
Bsp1286I	6	18, 360, 903, 938, 1085, 1933
BspDI	0	
BspEI	0	
BspHI	1	1620
BspMI	2	671, 1116
BspMII	0	
BsrFI	0	
BsrI	2	324, 617
BssHII	0	
Bst1107I	0	
BstBI	0	
BstEII	1	295
BstNI	10	65, 230, 347, 632, 731, 757, 836, 992, 1106, 1242
BstUI	0	
BstXI	0	
BstYI	2	20, 875
Bsu36I	0	
Cfr10I	0	
ClaI	0	
DdeI	5	47, 804, 830, 1415, 1603
DpnI	8	22, 333, 476, 486, 554, 737, 877, 989
DpnII	8	20, 331, 474, 484, 552, 735, 875, 987
DraI	1	1357
DraIII	0	
DrdI	1	164
EaeI	2	231, 450
EagI	0	
Eam1105I	0	
EarI	2	709, 1775
Ecl1136II	1	16
Eco47III	0	
EcoNI	1	833
EcoO109I	2	1599, 1929
EcoRI	0	
EcoRV	1	1193
Esp3I	0	
EspI	0	
Fru4HI	8	118, 173, 369, 782, 811, 956, 1675, 1828

pc3(FLAG)-B2AR Restriction Sites

Map Name	# Sites	"All Enzymes" Sites
FokI	4	860, 989, 1007, 1448
FspI	1	1124
HaeII	1	123
HaeIII	13	233, 323, 345, 368, 452, 545, 582, 623, 773, 810, 1142, 1263, 1931
HgaI	3	104, 272, 433
HgiAI	2	18, 903
HhaI	3	122, 154, 1125
HincII	1	973
HindIII	1	2
HinfI	5	867, 1295, 1325, 1605, 1767
HinPI	3	120, 152, 1123
HpaI	1	973
HpaII	6	99, 108, 155, 547, 619, 1078
HphI	5	289, 498, 562, 745, 934
KasI	0	
KpnI	2	12, 619
MaeI	3	1281, 1594, 1924
MaeII	4	165, 723, 917, 1197
MaeIII	4	166, 295, 445, 668
MboI	8	20, 331, 474, 484, 552, 735, 875, 987
MboII	12	43, 49, 667, 696, 736, 802, 870, 955, 1122, 1244, 1262, 1762
MluI	0	
MnlI	20	170, 177, 598, 712, 762, 798, 920, 956, 1010, 1034, 1247, 1298, 1395, 1558, 1589, 1652, 1719, 1792, 1814, 1919
MscI	1	233
MseI	4	972, 1356, 1396, 1486
MspI	6	99, 108, 155, 547, 619, 1078
MunI	0	
NaeI	0	
NarI	0	
NciI	6	100, 108, 109, 547, 548, 620
NcoI	0	
NdeI	0	
NotI	0	
NheI	0	
NlaIII	16	31, 152, 205, 217, 343, 742, 821, 866, 934, 986, 1559, 1624, 1635, 1766, 1889,

pc3(FLAG)-B2AR Restriction Sites

Map Name	# Sites	"All Enzymes" Sites
		1920
NlaIV	8	10, 22, 135, 357, 367, 617, 1082, 1931
NotI	0	
NruI	0	
NsiI	1	1922
NspBII	1	1755
NspHI	2	986, 1920
PacI	0	
PaeR7I	0	
PflMI	0	
PleI	4	861, 1319, 1613, 1761
PmeI	0	
PmlI	1	1198
PpuMI	1	1599
PstI	1	291
PvuI	0	
PvuII	1	1755
RsaI	6	10, 518, 617, 1273, 1318, 1536
RsrII	0	
SacI	1	18
SacII	0	
SalI	0	
Sau3aI	8	20, 331, 474, 484, 552, 735, 875, 987
Sau96I	11	157, 343, 366, 544, 621, 808, 1261, 1599, 1745, 1929, 1930
ScaI	0	
ScrFI	16	65, 100, 108, 109, 230, 347, 547, 548, 620, 632, 731, 757, 836, 992, 1106, 1242
SecI	6	107, 546, 729, 756, 1240, 1717
SfaNI	5	216, 597, 933, 1470, 1929
SfcI	1	287
SfiI	0	
SmaI	2	109, 548
SnaBI	0	
SpeI	0	
SphI	1	1920
SplI	0	
SspI	0	
StuI	2	582, 1142
StyI	1	1717

pc3(FLAG)-B2AR Restriction Sites

Map Name	# Sites	"All Enzymes" Sites
TaqI	2	279, 1912
TfiI	1	1295
Tth111I	0	
XbaI	1	1923
XcmI	0	
XhoI	0	
XraI	2	107, 546
XmnI	0	