

Monday, May 19, 2003 10:24 AM

Sequence Range: 1 to 1205

```

                >AflIII      >Asp7181
                |           |
>NheI          >PmeI      >HindIII      >KpnI          >BamHI
|             |           |           |           |
|             10         20         30         40
GCT AGC GTT TAA ACT TAA GCT TGG TAC CGA GCT CGG ATC CAC TAG TCC

                >BstXI      >EcoRI
                |           |
50          |           60          70          80          90
AGT GTG GTG GAA TTC ACC ATG GAG CCC CTC TTC CCC GCG CCG TTC TGG
      M   E   P   L   F   P   A   P   F   W>
      ___HUMAN OPIATE RECEPTOR- LIKE 1 (OP___>

100          110          120          130          140
GAG GTT ATC TAC GGC AGC CAC CTT CAG GGC AAC CTG TCC CTC CTG AGC
E   V   I   Y   G   S   H   L   Q   G   N   L   S   L   L   S>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

150          160          170          180          190
CCC AAC CAC AGT CTG CTG CCC CCG CAT CTG CTG CTC AAT GCC AGC CAC
P   N   H   S   L   L   P   P   H   L   L   L   N   A   S   H>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

200          210          220          230          240
GGC GCC TTC CTG CCC CTC GGG CTC AAG GTC ACC ATC GTG GGG CTC TAC
G   A   F   L   P   L   G   L   K   V   T   I   V   G   L   Y>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

250          260          270          280
CTG GCC GTG TGT GTC GGA GGG CTC CTG GGG AAC TGC CTT GTC ATG TAC
L   A   V   C   V   G   G   L   L   G   N   C   L   V   M   Y>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

290          300          310          320          330
GTC ATC CTC AGG CAC ACC AAA ATG AAG ACA GCC ACC AAT ATT TAC ATC
V   I   L   R   H   T   K   M   K   T   A   T   N   I   Y   I>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

340          350          360          370          380
TTT AAC CTG GCC CTG GCC GAC ACT CTG GTC CTG CTG ACG CTG CCC TTC
F   N   L   A   L   A   D   T   L   V   L   L   T   L   P   F>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

390          400          410          420          430
CAG GGC ACG GAC ATC CTC CTG GGC TTC TGG CCG TTT GGG AAT GCG CTG
Q   G   T   D   I   L   L   G   F   W   P   F   G   N   A   L>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

440          450          460          470          480
TGC AAG ACA GTC ATT GCC ATT GAC TAC TAC AAC ATG TTC ACC AGC ACC
C   K   T   V   I   A   I   D   Y   Y   N   M   F   T   S   T>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

490          500          510          520

```

Monday, May 19, 2003 10:24 AM

```
TTC ACC CTA ACT GCC ATG AGT GTG GAT CGC TAT GTA GCC ATC TGC CAC
F   T   L   T   A   M   S   V   D   R   Y   V   A   I   C   H>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

530          540          550          560          570
CCC ATC CGT GCC CTC GAC GTC CGC ACG TCC AGC AAA GCC CAG GCT GTC
P   I   R   A   L   D   V   R   T   S   S   K   A   Q   A   V>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

580          590          600          610          620
AAT GTG GCC ATC TGG GCC CTG GCC TCT GTT GTC GGT GTT CCC GTT GCC
N   V   A   I   W   A   L   A   S   V   V   G   V   P   V   A>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

630          640          650          660          670
ATC ATG GGC TCG GCA CAG GTC GAG GAT GAA GAG ATC GAG TGC CTG GTG
I   M   G   S   A   Q   V   E   D   E   E   I   E   C   L   V>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

680          690          700          710          720
GAG ATC CCT ACC CCT CAG GAT TAC TGG GGC CCG GTG TTT GCC ATC TGC
E   I   P   T   P   Q   D   Y   W   G   P   V   F   A   I   C>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

730          740          750          760
ATC TTC CTC TTC TCC TTC ATC GTC CCC GTG CTC GTC ATC TCT GTC TGC
I   F   L   F   S   F   I   V   P   V   L   V   I   S   V   C>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

770          780          790          800          810
TAC AGC CTC ATG ATC CGG CGG CTC CGT GGA GTC CGC CTG CTC TCG GGC
Y   S   L   M   I   R   R   L   R   G   V   R   L   L   S   G>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

820          830          840          850          860
TCC CGA GAG AAG GAC CGG AAC CTG CGG CGC ATC ACT CGG CTG GTG CTG
S   R   E   K   D   R   N   L   R   R   I   T   R   L   V   L>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

870          880          890          900          910
GTG GTA GTG GCT GTG TTC GTG GGC TGC TGG ACG CCT GTC CAG GTC TTC
V   V   V   A   V   F   V   G   C   W   T   P   V   Q   V   F>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

920          930          940          950          960
GTG CTG GCC CAA GGG CTG GGG GTT CAG CCG AGC AGC GAG ACT GCC GTG
V   L   A   Q   G   L   G   V   Q   P   S   S   E   T   A   V>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

970          980          990          1000
GCC ATT CTG CGC TTC TGC ACG GCC CTG GGC TAC GTC AAC AGC TGC CTC
A   I   L   R   F   C   T   A   L   G   Y   V   N   S   C   L>
___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1) ___a___a___a___>

1010          1020          1030          1040          1050
AAC CCC ATC CTC TAC GCC TTC CTG GAT GAG AAC TTC AAG GCC TGC TTC
N   P   I   L   Y   A   F   L   D   E   N   F   K   A   C   F>
```

___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1)___a___a___a___>

1060			1070			1080			1090			1100			
CGC	AAG	TTC	TGC	TGT	GCA	TCT	GCC	CTG	CGC	CGG	GAC	GTG	CAG	GTG	TCT
R	K	F	C	C	A	S	A	L	R	R	D	V	Q	V	S>

___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1)___a___a___a___>

1110			1120			1130			1140			1150			
GAC	CGC	GTG	CGC	AGC	ATT	GCC	AAG	GAC	GTG	GCC	CTG	GCC	TGC	AAG	ACC
D	R	V	R	S	I	A	K	D	V	A	L	A	C	K	T>

___a___a___a_HUMAN OPIATE RECEPTOR- LIKE 1 (OPRL1)___a___a___a___>

>XhoI
>XbaI
>ApaI

|
|
|

1160
1170
1180
1190
1200

TCT GAG ACG GTA CCG CGG CCC GCA TGA CTC GAG TCT AGA GGG CCC GTT

S E T V P R P A * >

_____ HUMAN OPIATE RECEPTOR- LIKE 1 _____ >

>PmeI

TAA AC