

Human RAN (3xHA)

>KpnI

>AflIII >Asp7181

>NheI >PmeI >HindIII

10 20 30 40 50

GCTAGCGTTTAAACTTAAGCTTGGTACCACC ATG TAC CCA TAC GAT GTT CCA
M Y P Y D V P>
_a_a_3XHA_a_a_>

60 70 80 90

GAT TAC GCT TAC CCA TAC GAT GTT CCA GAT TAC GCT TAC CCA TAC
D Y A Y P Y D V P D Y A Y P Y>
_a_a_a_a_a_a_3XHA_a_a_a_a_a_a_>

100 110 120 130 140

GAT GTT CCA GAT TAC GCT GAT GCT GCG CAG GGA GAG CCC CAG GTC
D V P D Y A D>
_a_a_3XHA_a_a_>

A A Q G E P Q V>
_b_b_HUMAN_RAN_b_b_>

150 160 170 180

CAG TTC AAA CTT GTA TTG GTT GGT GAT GGT GGT ACT GGA AAA ACG
Q F K L V L V G D G G T G K T>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

190 200 210 220 230

ACC TTC GTG AAA CGT CAT TTG ACT GGT GAA TTT GAG AAG AAG TAT
T F V K R H L T G E F E K K Y>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

240 250 260 270

GTA GCC ACC TTG GGT GTT GAG GTT CAT CCC CTA GTG TTC CAC ACC
V A T L G V E V H P L V F H T>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

280 290 300 310 320

AAC AGA GGA CCT ATT AAG TTC AAT GTA TGG GAC ACA GCC GGC CAG
N R G P I K F N V W D T A G Q>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

330 340 350 360

GAG AAA TTC GGT GGA CTG AGA GAT GGC TAT TAT ATC CAA GCC CAG
E K F G G L R D G Y Y I Q A Q>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

370 380 390 400 410

TGT GCC ATC ATA ATG TTT GAT GTA ACA TCG AGA GTT ACT TAC AAG
C A I I M F D V T S R V T Y K>
_b_b_b_b_b_HUMAN_RAN_b_b_b_b_b_b_>

420 430 440 450

AAT GTG CCT AAC TGG CAT AGA GAT CTG GTA CGA GTG TGT GAA AAC
 N V P N W H R D L V R V C E N>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

460 470 480 490 500
 ATC CCC ATT GTG TTG TGT GGC AAC AAA GTG GAT ATT AAG GAC AGG
 I P I V L C G N K V D I K D R>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

510 520 530 540
 AAA GTG AAG GCG AAA TCC ATT GTC TTC CAC CGA AAG AAG AAT CTT
 K V K A K S I V F H R K K N L>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

550 560 570 580 590
 CAG TAC TAC GAC ATT TCT GCC AAA AGT AAC TAC AAC TTT GAA AAG
 Q Y Y D I S A K S N Y N F E K>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

600 610 620 630
 CCC TTC CTC TGG CTT GCT AGG AAG CTC ATT GGA GAC CCT AAC TTG
 P F L W L A R K L I G D P N L>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

640 650 660 670 680
 GAA TTT GTT GCC ATG CCT GCT CTC GCC CCA CCA GAA GTT GTC ATG
 E F V A M P A L A P P E V V M>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

690 700 710 720
 GAC CCA GCT TTG GCA GCA CAG TAT GAG CAC GAC TTA GAG GTT GCT
 D P A L A A Q Y E H D L E V A>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___b___>

730 740 750 760 770
 CAG ACA ACT GCT CTC CCG GAT GAG GAT GAT GAC CTG TGA CTCGAGTCT
 Q T T A L P D E D D D L *>
 ___b___b___b___b___b___HUMAN RAN___b___b___b___b___b___>

780
 AGAGG

>PmeI
 |
 >ApaI |
 | |
 | 790
 GCCCGTTTAAAC