

Sequence Range: 1 to 711

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                >AflIII      >Asp7181
                |           |
    >NheI      >PmeI      >HindIII      >KpnI
    |           |           |           |
    |           10         20         30         40
    GCT AGC GTT TAA ACT TAA GCT TGG TAC CAC C ATG GAG CAG AAG CTG ATC
                                M E Q K L I >
                                ____a__2XMYC TAG____a____>

                                                                >EcoRV
                                                                |
    50          60          70          80          90
    TCA GAG GAG GAT CTG GAG CAG AAG CTG ATC TCA GAG GAG GAT CTG GA TAT
    S E E D L E Q K L I S E E D L >
    ____a__a__a__a__a__a__2XMYC TAG__a__a__a__a__a__a__>

                >NotI
                |
    100          110         120          130          140
    CCA GCA CAG TGG CGG CCG C ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC
                                T E Y K L V V V V G A >
                                ____b__b__HUMAN H- RAS S17N____b__b____>

                >S17N
                |
    150          160         170          180          190
    GGC GGT GTG GGC AAG AAT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT
    G G V G K N A L T I Q L I Q N H >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>

    200          210          220          230          240
    TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG
    F V D E Y D P T I E D S Y R K Q >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>

    250          260          270          280          290
    GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC
    V V I D G E T C L L D I L D T A >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>

    300          310          320          330          340
    GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG
    G Q E E Y S A M R D Q Y M R T G >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>

    350          360          370          380
    GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG
    E G F L C V F A I N N T K S F E >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>

    390          400          410          420          430
    GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT
    D I H Q Y R E Q I K R V K D S D >
    ____b__b__b__b__b__b__HUMAN H- RAS S17N____b__b__b__b__b____>
    
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        440          450          460          470          480
GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC
D   V   P   M   V   L   V   G   N   K   C   D   L   A   A   R>
___b___b___b___b___b___HUMAN H- RAS S17N___b___b___b___b___>

        490          500          510          520          530
ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC
T   V   E   S   R   Q   A   Q   D   L   A   R   S   Y   G   I>
___b___b___b___b___b___HUMAN H- RAS S17N___b___b___b___b___>

        540          550          560          570          580
CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC
P   Y   I   E   T   S   A   K   T   R   Q   G   V   E   D   A>
___b___b___b___b___b___HUMAN H- RAS S17N___b___b___b___b___>

        590          600          610          620
TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG
F   Y   T   L   V   R   E   I   R   Q   H   K   L   R   K   L>
___b___b___b___b___b___HUMAN H- RAS S17N___b___b___b___b___>

630          640          650          660          670
AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG
N   P   P   D   E   S   G   P   G   C   M   S   C   K   C   V>
___b___b___b___b___b___HUMAN H- RAS S17N___b___b___b___b___>

                >XhoI    >XbaI          >ApaI    >PmeI
                |        |              |        |
        680          |    690          |        700 |        710
CTC TCC TGA CT CGA GTC TAG AGG GCC CGT TTA AAC
L   S   *>
___b___b___>
    
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