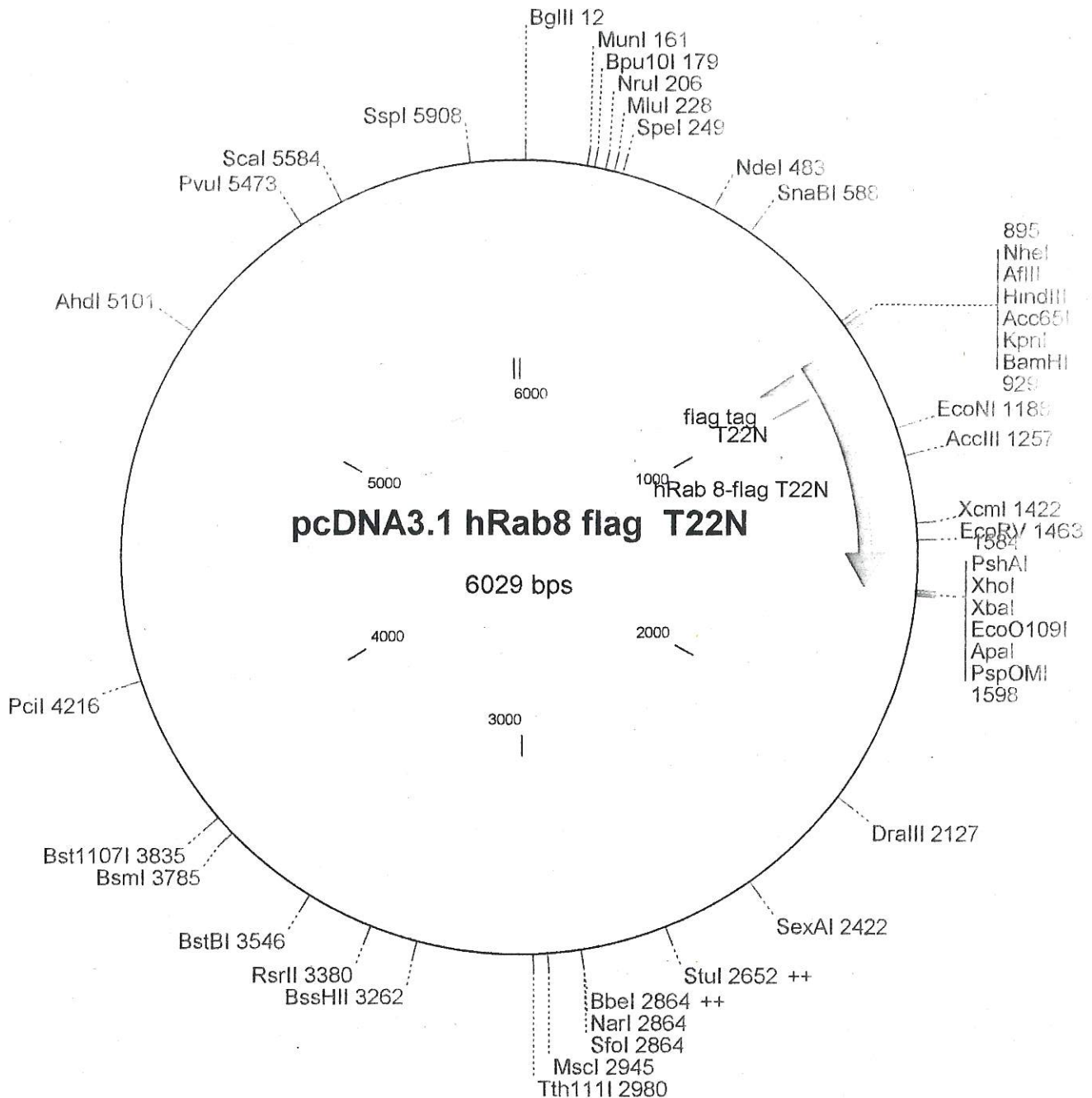


480

Tube # 9



Molecule: pcDNA3.1 hRab8 flag T22N, 6029 bps DNA Circular  
Description: Ligation of PCR1+2 T22N cut BamHI..5 to EcoNI..268 into  
pcDNA3.1 hRab8 flag cut EcoNI..1192 to BamHI..929  
File Name: pcDNA3.1 hRab8 flag T22N.cm5, dated 29 Apr 2005  
Printed: 840-1619 bps, format Annotated: Enzymes, Transl genes

```

840  actgcttact ggcttatcga aattaatacgc actcactata gggagaccca agctgggctag
      tgacgaatga ccgaatagct ttaattatgc tgagtgatat ccctctgggt tcgaccgatc
                                     NheI
900  cgtttaaact taagcttggt accgagctgc gatccaccat ggactacaag gacgatgatg
      gcaaatttga attcgaacca tggctcgcgc ctaggttgta cctgatgttc ctgctactac
      >>>.....hRab 8-flag T22N.....>>>
      MetAspTyrLys AspAspAsp
      >>>.....flag tag.....>>>
      AspTyrLys AspAspAsp

960  acaaggcgaa gacctacgat tacctgttca agctgctgct gatcggggac tcgggggtgg
      tgttccgctt ctggatgcta atggacaagt tcgacgacga ctagccctcg agccccacc
      >.....hRab 8-flag T22N.....>
      AspLysAla LysThrTyrAsp TyrLeuPhe LysLeuLeu LeuIleGlyAsp SerGlyVal
      >>>>
      AspLysAla

1020  ggaagaactg tgcctgttcc cgcttctccg aggacgcctt caactccact tttatctcca
      ccttcttgac acaggacaag gcgaagaggc tcctgcggaa gttgaggtga aaatagaggt
      >.....hRab 8-flag T22N.....>
      GlyLysAsn CysValLeuPhe ArgPheSer GluAspAla PheAsnSerThr PheIleSer
      >>>>
      Asn

1080  ccataggaat tgactttaaa attaggacca tagagctcga tggcaagaga attaaactgc
      ggtatcctta actgaaattt taatcctggt atctcgagct accgttctct taatttgacg
      >.....hRab 8-flag T22N.....>
      ThrIleGly IleAspPheLys IleArgThr IleGluLeu AspGlyLysArg IleLysLeu

1140  agatatggga cacagccggt caggaacggt ttccggacgat cacaacggcc tactacaggg
      tctataccct gtgtcggcca gtccttgcca aagcctgcta gtgttgcccg atgatgtccc
      >.....hRab 8-flag T22N.....>
      GlnIleTrp AspThrAlaGly GlnGluArg PheArgThr IleThrThrAla TyrTyrArg

1200  gtgcaatggg catcatgctg gtctacgaca tcaccaacga gaagtccttc gacaacatcc
      cacgttacct gtagtacgac cagatgctgt agtggttgct cttcaggaag ctgttgtagg
      >.....hRab 8-flag T22N.....>
      GlyAlaMet GlyIleMetLeu ValTyrAsp IleThrAsn GluLysSerPhe AspAsnIle

1260  ggaactggat tcgcaacatt gaggagcacg cctctgcaga cgtcgaaaag atgatactcg
      ccttgaccta agcgttgtaa ctctcgtgac ggagacgtct gcagcttttc tactatgagc
      >.....hRab 8-flag T22N.....>
      ArgAsnTrp IleArgAsnIle GluGluHis AlaSerAla AspValGluLys MetIleLeu

1320  ggaacaagtg tgatgtgaat gacaagagac aagtttccaa ggaacgggga gaaaagctgg
      ccttggtcac actacactta ctgttctctg ttcaaaggtt ccttgccctt cttttcgacc
      >.....hRab 8-flag T22N.....>
      GlyAsnLys CysAspValAsn AspLysArg GlnValSer LysGluArgGly GluLysLeu

1380  ccctcgacta tggaatcaag ttcattggaga ccagcgcgaa ggccaacatc aatgtggaaa
      gggagctgat accttagttc aagtacctct ggtcgcgctt ccggttgtag ttacaccttt
      >.....hRab 8-flag T22N.....>
      AlaLeuAsp TyrGlyIleLys PheMetGlu ThrSerAla LysAlaAsnIle AsnValGlu
      XcmI
```

1440     EcoRV  
atgcattttt cactctcgcc agagatatca aagcaaaaat ggacaaaaaa ttggaaggca  
tacgtaaaaa gtgagagcgg tctctatagt ttctgtttta cctgtttttt aaccttcctgt  
».....hRab 8-flag T22N.....»  
AsnAlaPhe PheThrLeuAla ArgAspIle LysAlaLys MetAspLysLys LeuGluGly

1500     acagcccccga ggggagcaac cagggagtcg aaatcacacc ggaccagcag aagaggagca  
tgtcgggggt cccctcgttg gtccctcagt tttagtgtgg cctggtcgtc ttctcctcgt  
».....hRab 8-flag T22N.....»  
AsnSerPro GlnGlySerAsn GlnGlyVal LysIleThr ProAspGlnGln LysArgSer

1560     XhoI     XbaI     PspOMI  
                 PshAI     EcoO109I  
gctttttccg atgtgttctt ctgtgactcg agtctagagg gcccgtttaa acccgctgat  
cgaaaaagc tacacaagaa gacactgagc tcagatctcc cgggcaaatt tgggcgacta  
».....hRab 8-flag T22N.....»  
SerPhePhe ArgCysValLeu Leu---