

eth102wo\_ST25.txt  
SEQUENCE LISTING

<110> Eidgenoessische Technische Hochschule Zuerich

<120> Treatment of heart disease through modulation of hypoxia induced  
eRNA activity

<130> T-12-063

<160> 13

<170> PatentIn version 3.5

<210> 1

<211> 2543

<212> DNA

<213> homo sapiens

<400> 1

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atcatggggg tggtttcccc catactgttc ttgcgatagt gagtaagtct cgagatttga 180

cgattttata acggggttgcc ccttttgctt ggctctcatt ctctcttgtc tgccgccata 240

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gagtccatta aacctctttt tcttcataaa ttaccagtc taaggatatat ctttatcagc 360

agtgtgaaaa tggactaata caggaggtga ttaggtcacg aaggcagagc cctcatgaac 420

aagactagtg tccttataaa agaggcacca agaagctgcc ttgtgccttc cactatgtaa 480

## eth102wo\_ST25.txt

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## eth102wo\_ST25.txt

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eth102wo\_ST25.txt

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<211> 1109

<212> RNA

<213> homo sapiens

<400> 2

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cauccuaaaa cuccugauuu gucaugacug cacauaugcg cacauauguc aaagcgagug	180
uggguuugga gacucuagag aaaugaacca gccauaauc auuuucaagc uaaggaaaaa	240
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acaggcuggg cacggugguu cgcgccugua auccagcac uuugggaggc caaggcgggc	360
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gcugaggcag gagaauccau caugccacug cacuccaguc ugggcaaaag agggagacuc	540
cgucucacga aaaacaaaca aacaaacaac aaacaaaca aaaaaacca aggaaauga	600
cauucuguu gcguuugguc agaaggcca uugcaaucug gguuucuau ucuaccuguu	660
cagggaaaua cgaaguccag augaauugu auuccaauc ugacucaggc uugguuucac	720
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## eth102wo\_ST25.txt

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cuuuucccag gccauucucc gcucccuag acagaucauc ugaggugggg ugcggggguu 1020  
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&lt;210&gt; 3

&lt;211&gt; 48

&lt;212&gt; DNA

&lt;213&gt; artificial

&lt;220&gt;

&lt;223&gt; shRNA against human eRNA-22

&lt;400&gt; 3

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&lt;210&gt; 4

&lt;211&gt; 48

&lt;212&gt; DNA

&lt;213&gt; artificial

&lt;220&gt;

&lt;223&gt; shRNA against human eRNA 22

&lt;400&gt; 4

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 <220>  
 <223> sh RNA against human eRNA 22  
  
 <400> 5  
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 <210> 6  
 <211> 1103  
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 <213> Mus musculus  
  
 <400> 6  
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 cccgaggcag taaacggact ccctctgagt gaccaaactc tagccacttt ctacccatt 180  
  
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 ttcttggaag ccctggagac aggaagaagt ttaagatcat ccttggctaa aaataagttt 360  
  
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## eth102wo\_ST25.txt

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 tggactagat taccacaaaa ggttttttgt gagttagaaa cttccagaac aataaggttt 600  
 ctgcccctct cgctcacaag ttttgcgcat tccactctgt ggcactttct acgtgtttaa 660  
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&lt;210&gt; 7

&lt;211&gt; 48

&lt;212&gt; DNA

&lt;213&gt; artificial

&lt;220&gt;

&lt;223&gt; shRNA encoding sequence

&lt;400&gt; 7

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48

<210> 8

<211> 48

<212> DNA

<213> artificial

<220>

<223> shRNA encoding sequence

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48

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<211> 48

<212> DNA

<213> artificial

<220>

<223> sh-RNA encoding DNA sequence

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48

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<211> 16

<212> DNA

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<223> scrambled control oligomer for antisense experiments

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