

mASIC1a/pSP64 between BamHI/SacI (from Stefan Gründer 2013)

Linearize with EcoRI, transcribe with SP6

Compact nucleotides:

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ATGGAAGTGAAGACCGA
GGAGGAGGAGGTGGGTGGTGTCCAGCCGGTGTGAGCATCCAGGCTTTTGCCAGCAGCTCCACGCTGCACGGT
CTTGCCACATCTTCTCCTATGAGCGGCTGTCTCTGAAGCGGGCACTGTGGGCCCTGTGTTTCTGGGTT
CGCTGGCCGTCTGTGTGTGTGACTGAGCGTGTGAGTACTACTTCTGCTACCACCACGTACACAA
GCTCGACGAGGTGGCTGCCCTCCAGCTCACCTTCCCTGCCGTCACTCTCTGCAACCTCAATGAGTTTCGC
TTTAGCCAAGTCTCCAAGAATGACCTGTACCATGCTGGGGAAGTGTGGCCCTGCTCAACAACAGGTATG
AGATACCGGACACACAGATGGCTGATGAAAAGCAGCTGGAGATATTGCAGGACAAGGCCAACTTCCGTAG
CTTCAAGCCCAAGCCCTTCAACATGCGTGAGTTCTACGACAGAGCAGGGCATGACATTCGAGACATGCTT
CTCTCGTGCCACTTCCGAGGGGAGGCCTGCAGCGCTGAAGACTTCAAAGTGGTCTTACGCGGTATGGGA
AGTGCTACACATTCAACTCGGGCCAAGATGGGCGGCCACGGCTGAAGACCATGAAAGGTGGGACTGGCAA
CGGCCTGGAGATCATGCTGGACATTCAGCAAGATGAATACTTGCCTGTGTGGGAGAGACTGATGAGACA
TCGTTTCGAAGCAGGCATCAAAGTGCAGATCCACAGTCAGGACGAGCCTCCTTTCATCGACCAGCTGGGCT
TTGGCGTGGCCCCAGGCTTCCAGACGTTTGTGTCTTGGCAGGAGCAGAGGCTCATCTACCTGCCCTCCCC
CTGGGGCACCTGCAATGCTGTTACCATGGACTCGGATTTCTTCGACTCCTACAGCATCACGGCCTGCCGG
ATTGATTGTGAAACCCGTTACCTGGTGGAAAAGTGAACCTGCCGTATGGTGCACATGCCAGGGGATGCC
CATACTGTACTCCGGAGCAGTACAAGGAGTGTGCAGACCCTGCCCTGGACTTCTAGTGGAGAAAGACCA
GGAATACTGTGTGTGTGAGATGCCCTGCAACCTGACCCGCTACGGCAAGGAGCTGTCCATGGTCAAGATC
CCCAGCAAAGCCTCAGCCAAGTACCTGGCCAAGAAGTTCAAACAAATCTGAACAGTACATAGGGGAGAATA
TTCTGGTGTGGACATTTTCTTTGAAGTCTCAACTATGAGACCATCGAGCAGAAGAAGGCCTATGAGAT
CGCAGGGCTTTTGGGTGACATCGGGGGCCAGATGGGATTGTTTCATCGGGGCCAGCATCCTCACAGTGCTG
GAACTCTTTGACTATGCCTATGAGGTCATTAAGCACCGGCTGTGTAGACGTGGGAAGTGCCAGAAGGAGG
CTAAGAGGAACAGCGCAGATAAGGGCGTGGCGCTCAGCCTGGATGACGTCAAAGACACAATCCCTGCGA
GAGCTCCGAGGACATCCTGCCGGGATGACGTACGCTGCCAACATCCTACCTACCATCCCGCTCGAGGC
ACGTTTGAGGACTTTACCTGCTAA
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The following mutations were introduced:

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K105C: 313-315 AAG→TGC
E182Q: 544-546 GAA→CAA
E235Q: 703-705 GAG→CAA
D237N: 709-711 GAT→AAT
E238Q: 712-714 GAG→CAG
E242Q: 724-726 GAA→CAG
D259N: 775-777 GAC→AAC
D345N: 1033-1035 GAC→AAC
D349N: 1045-1057 GAC→AAC
D237N/D345N: 709-711 GAT/1033-1035 GAC→AAT/AAC
D237N/D349N: 709-711 GAT/1045-1057 GAC→AAT/AAC
E238Q/D345N: 712-714 GAG/1033-1035 GAC→CAG/AAC
E238Q/D349N: 712-714 GAG/1045-1057 GAC→CAG/AAC
K105C/ E238Q/D345N: 313-315 AAG/712-714 GAG/1033-1035 GAC→TGC/CAG/AAC
D253N/E254Q 757-759 GAC/760-762 GAG→AAC/CAG
E373Q/E411Q 1117-1119 GAG/1231-1233 GAA→CAG/CAA
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